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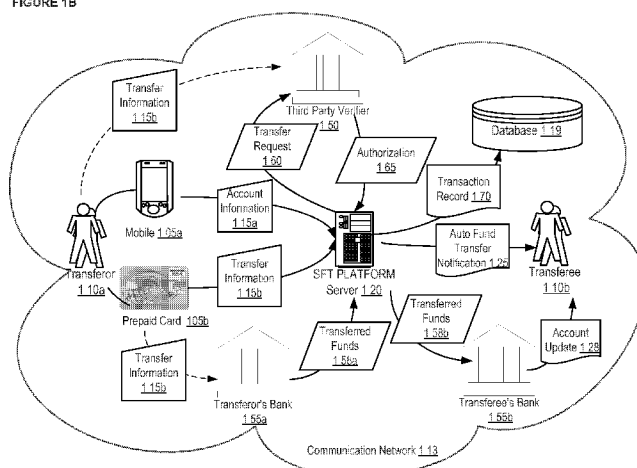
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(54) Title: SCHEDULED FUNDS TRANSFER PLATFORM APPARATUSES, METHODS AND SYSTEMS

FIGURE 1B



(57) Abstract: The SCHEDULED FUNDS TRANSFER PLATFORM APPARATUSES, METHODS AND SYSTEMS (hereinafter "SFT PLATFORM") transforms user account information, fund transfer configuration inputs via SFT PLATFORM components into fund transfer transaction record and fund transfer to a transfer-to account. In one embodiment, a method is disclosed, comprising: receiving a fund transfer scheduling request and fund transfer configuration parameters from a user, said fund transfer configuration parameters including a fund transfer trigger condition, a fund transferor's account and a fund transferee's account; verifying eligibility of the fund transfer scheduling request based on the fund transfer configuration parameters; determining the fund transfer trigger condition occurs; initiating a fund transfer transaction from the fund transferor's account to the fund transferee's account; and generating a fund transfer transaction record based on the initiated fund transfer transaction.

SCHEDULED FUNDS TRANSFER PLATFORM APPARATUSES, METHODS AND SYSTEMS

[0001] This patent application disclosure document (hereinafter "description" and/or "descriptions") describes inventive aspects directed at various novel innovations (hereinafter "innovation," "innovations," and/or "innovation(s)") and contains material that is subject to copyright, mask work, and/or other intellectual property protection. The respective owners of such intellectual property have no objection to the facsimile reproduction of the patent disclosure document by anyone as it appears in published Patent Office file/records, but otherwise reserve all rights.

RELATED APPLICATIONS

[0002] This application claims priority under 35 U.S.C. § 119 to U.S. provisional patent application serial number 61/358,940, filed on June 27, 2010, entitled "Apparatuses, Methods And Systems For A Scheduled Funds Transfer Platform."

[0003] The entire contents of the aforementioned application are herein expressly incorporated by reference.

OTHER APPLICATIONS

[0004] This application claims priority under 35 U.S.C. § 119 to U.S. provisional patent application serial no. 61/446,728, filed on February 25, 2011, entitled "Apparatuses, Methods And Systems For A Healthcare Prepaid Payment Platform."

1 [0005] The entire contents of the aforementioned application are herein expressly
2 incorporated by reference

3 **FIELD**

4 [0006] The present invention is directed generally to an apparatuses, methods,
5 and systems for finance, and more particularly, to SCHEDULED FUNDS TRANSFER
6 PLATFORM APPARATUSES, METHODS AND SYSTEMS.

7 **BACKGROUND**

8 [0007] Fund transfer allows for the exchange or transfer of funds from one
9 person, entity or account to another. Prepaid cards provide entities with a tenable
10 means for carrying funds.

11 **SUMMARY**

12 [0008] The SCHEDULED FUNDS TRANSFER PLATFORM APPARATUSES,
13 METHODS AND SYSTEMS (hereinafter "SFT PLATFORM") transforms user account
14 information, fund transfer configuration inputs via SFT PLATFORM components into
15 fund transfer transaction record and fund transfer to a transfer-to account. In one
16 embodiment, a method is disclosed, comprising: receiving a fund transfer scheduling
17 request and fund transfer configuration parameters from a user, said fund transfer
18 configuration parameters including a fund transfer trigger condition, a fund transferor's
19 account and a fund transferee's account; verifying eligibility of the fund transfer
20 scheduling request based on the fund transfer configuration parameters; determining

1 the fund transfer trigger condition occurs; initiating a fund transfer transaction from the
2 fund transferor's account to the fund transferee's account; and generating a fund
3 transfer transaction record based on the initiated fund transfer transaction

4 BRIEF DESCRIPTION OF THE DRAWINGS

5 **[0009]** The accompanying appendices and/or drawings illustrate various non-
6 limiting, example, inventive aspects in accordance with the present disclosure:

7 **[0010]** FIGURE 1A-1C are of block diagrams illustrating data flows between the
8 SFT PLATFORM and affiliated entities within embodiments of the SFT PLATFORM;

9 **[0011]** FIGURE 2-4 are of process flow diagrams illustrating embodiments of the
10 SFT PLATFORM;

11 **[0012]** FIGURES 5A-5S show exemplary screen images illustrating various
12 embodiments and implementations of the SFT PLATFORM;

13 **[0013]** FIGURE 6 is of a process flow diagram illustrating healthcare payment
14 fund transfer within embodiments of the SFT PLATFORM;

15 **[0014]** FIGURE 7A-7C show exemplary screen images illustrating mobile
16 applications of scheduled fund transfer within embodiments of the SFT PLATFORM;
17 and

18 **[0015]** FIGURE 8 is of a block diagram illustrating embodiments of the SFT
19 PLATFORM controller;

20 **[0016]** The leading number of each reference number within the drawings
21 indicates the figure in which that reference number is introduced and/or detailed. As

1 such, a detailed discussion of reference number 101 would be found and/or introduced
2 in Figure 1. Reference number 250 is introduced in Figure 2, etc.

DETAILED DESCRIPTION

1
2 [0017] This disclosure details apparatuses, methods and systems for a Scheduled
3 Funds Transfer Platform (hereinafter, "SFT PLATFORM") that delivers dynamic
4 management and/or control of funds transfer capabilities and components. In
5 particular this disclosure discusses the application of the SFT PLATFORM to provide
6 cardholders with the ability to configure scheduled recurring funds transfers from their
7 reloadable prepaid cards to a checking or savings account. Using the SFT PLATFORM, a
8 cardholder may specify a given amount of a transfer to occur after a load or deposit is
9 received on a prepaid card and/or may specify that an entire load/deposit amount be
10 transferred after it has been received.

11 [0018] In some embodiments of the SFT PLATFORM, funds transfer describes
12 the exchange or transfer of funds from one person, entity or account to another. In one
13 embodiment, the funds transfer may be a transfer of funds from a prepaid account to an
14 alternate account and may refer to a one-time immediate funds transfer or recurring
15 funds transfer. One example of a prepaid account is an account maintained and
16 processed by an issuer comprising at least one deposit. A deposit may be a load of funds
17 to the prepaid account through various channels and funding sources. A one-time
18 immediate funds transfer may be a single transfer of money at a selected value, from
19 one person, entity or account to another.

20 [0019] Prepaid cards may be cards whose monetary value has been deposited
21 with and processed by an issuer. The value of the card corresponds with a card number
22 associated with data maintained by an issuer, in this regard, prepaid cards may be

1 similar to debit cards. The monetary balance of the prepaid card may be maintained and
2 processed by the issuer. Prepaid cards may be issued in the name of individual account
3 holders, along with unique card numbers. Prepaid cards may also have the
4 characteristics of "stored value" cards where the issued cardholder may be anonymous
5 and the value of the card has been stored physically on the card.

6 [0020] The SFT PLATFORM may be used in a variety of applications including,
7 but not limited to, payroll, commercial and General Purpose Reloadable (hereinafter
8 "GPR") card types, unemployment and disability imbursement services, gift cards,
9 travel cards, and/or the like. The SFT PLATFORM may also be used in a variety of
10 prepaid card systems including closed, semi-closed and open systems.

11 [0021] A "Transfer-to Account" or "Account" may be a prepaid cardholder's
12 checking or savings that has been saved in the prepaid system in order to transfer funds
13 from the prepaid account to the checking or savings account. A "One-Time Immediate
14 Funds Transfer" may be an existing Funds Transfer facility in the prepaid system. A
15 "Recurring Funds Transfer" or "Scheduled Transfer" may provide facilities that allow a
16 cardholder or Customer Service Representative (hereinafter "CSR") to schedule funds
17 transfers to occur in the future (e.g., following a deposit to the prepaid account). A
18 "Funds Transfer" or "Transfer" may be the transfer of funds from the prepaid account to
19 the Transfer-to Account and may refer to either a one-time immediate funds transfer or
20 a recurring funds transfer. A "Deposit" may be a load of funds to the prepaid account
21 through various channels and funding sources.

22 [0022] It is understood that the SFT PLATFORM may be readily
23 configured/customized for a wide range of other applications or implementations.

1 Therefore the detailed embodiments of the SFT PLATFORM disclosed herein are merely
2 illustrative, and not restrictive, of the invention that may be embodied in various forms.
3 Furthermore, the examples given in connection to the various embodiments of the SFT
4 PLATFORM are intended to be illustrative, and are not restrictive.

5 SFT PLATFORM

6 **[0023]** FIGURE 1A provides a diagram illustrating an overview of the SFT
7 PLATFORM within embodiments of the SFT PLATFORM. Within embodiments, as
8 shown in FIGURE 1A, a cardholder may possess a prepaid card 1010, e.g., a prepaid
9 credit card, a prepaid debit card, etc., and configure the prepaid card for scheduled fund
10 transfer to another bank account. In one implementation, the prepaid card 1010 may be
11 sponsored by a variety of entities. For example, the prepaid card may be loaded with
12 funds by an employer (e.g., payroll salary payment, etc.), healthcare insurance carriers
13 (e.g., insurance payment of medical services, etc.), government agencies (e.g., tax
14 refund, unemployment, social services, etc.), card issuers (e.g., deposits into the card,
15 etc.), and/or the like.

16 **[0024]** For example, the cardholder may request a scheduled fund transfer from a
17 transferor's prepaid card 1010, e.g., to transfer \$100.00 to the transferee's card 1015
18 when the transferor's prepaid card 1010 is credited with more than \$100.00 1005. The
19 cardholder may submit account information of the transferor's account 1010 and
20 transferee's card 1015, transfer amount (e.g., \$100.00), transfer trigger condition (e.g.,
21 when the transferor's account is prepaid for more than \$100.00), and/or the like to a
22 SFT PLATFORM to establish the fund transfer. The transferor's prepaid card and the
23 transferee's card may be associated with the same cardholder, as the cardholder may

1 desire to transfer funds between his personal accounts. In another implementation, the
2 transferor's account and the transferee's account may be associated with different
3 individuals, as the transferor may be allowed to schedule fund transfer to another
4 individual.

5 **[0025]** In one implementation, when the transferor's prepaid card 1010 is loaded,
6 e.g., when the cardholder's payroll deposits the cardholder's monthly salary (which is
7 greater than \$100.00) into the transferor's prepaid card 1010, the scheduled fund
8 transfer 1005 may be triggered 1025, and \$100.00 may be automatically transferred to
9 the transferee's card 1015.

10 **[0026]** FIGURE 1B shows a block diagram illustrating various embodiments of
11 the SFT PLATFORM. Within various embodiments, one or more fund transferors 110a,
12 one or more fund transferees 110b, SFT PLATFORM server 120, SFT PLATFORM
13 database(s) 119, a third party verifier 150, a pay, and/or advertising channels 130 are
14 shown to interact via various communication network 113.

15 **[0027]** In one embodiment, a SFT PLATFORM user, who may be a fund
16 transferor 110a, may access a SFT PLATFORM supported bank account via a SFT
17 PLATFORM vehicle, such as, but not limited to a mobile device 105a, a prepaid bank
18 card 105b, and/or the like. In one embodiment, the transferor 110a and a transferee
19 110b may be different persons and/or entities. For example, an employer's payroll may
20 be a transferor who needs to transfer funds as the monthly salary to an employee (the
21 transferee). In another embodiment, the transferor 110a and the transferee 110b may be
22 the same entity. For example, a user may want to transfer funds from one account to
23 another account.

1 **[0028]** In one implementation, the transferor 110a may submit information to the
 2 SFT PLATOFRM server 120 to set up automatic scheduled fund transfers. For example,
 3 the transferor 110a may submit the account information 115a (e.g., transferor's name,
 4 transferor's account number, transferor's account name, transferor's bank routing
 5 number, transferee's account number, transferee's bank routing number, etc.), transfer
 6 information 115b (e.g., transfer schedule, transfer amount, transfer verification
 7 procedure, etc.), and/or the like.

8 **[0029]** For example, in one implementation, an exemplary extensible Markup
 9 Language (XML) record of fund transfer configuration may include the account
 10 information 115a and the transfer information 115b, which may take a form similar to
 11 the following:

```

12 <TransferConfig>
13     <ConfigID> JK1222 </ConfigID>
14     <ConfigTime> 09:10:23 06-03-2000 </ConfigTime>
15     <ConfigSource> IP 000.000.00.000 </ConfigSource>
16     <ConfigLogin> Valid </ConfigLogin>
17     <UserName> John Smith </UserName>
18     <Password> 19001021 </Password>
19     <Transferor>
20         <TransferorName> John Smith </TransferorName>
21         <TransferorAccount> 0000 0000 0000 0000 </TransferorAccount>
22         <TransferorBankRoutingNo> 1111111 <TransferorBankRoutingNo>
23         ...
24     </Transferor>
25     <Transferee>
26         <TransfereeName> John Smith </TransfereeName>
27         <TransfereeAccount> 0000 0000 0000 0003 </TransfereeAccount>
28         <TransfereeBankRoutingNo> 1111111 <TransfereeBankRoutingNo>
29         ...
30     </Transferee>
31     <FundSource>
32         <Source1> Unemployment Aid </Source1>
33         <Source2> Social Service </Source2>
34         <Source3> Medical Aid </Source3>
35         ...
36     </FundSource>
37     <TriggerRule>
38         <TransferorAccountLoadMin> 500.00
39         </TransferorAccountLoadMin>
40         <TransferAmount> 30% </TransferAmount>
41         ...
42     </TriggerRule>
43 
```

```

1      <Restriction>
2          <TransferorRestriction>
3              ...
4              <MaxAmount> 1000.00 </MaxAmount>
5              <MinTransferInterval> 24.00 hrs <MinTransferInterval>
6          </TransferorRestriction>
7          <RestrictionPerType>
8              <Type> Medical Insurance Payment </Type>
9              <Rule> Verification Required </Rule>
10             ...
11         </RestrictionPerType>
12
13         <FundSourceRestriction>
14             <Source1>
15                 <MaxAmount> 50% <MaxAmount>
16                 <Restriction> transfer to another account
17             </Restriction>
18             </Source1>
19             <Source2>
20                 <MaxAmount> 100.00 <MaxAmount>
21                 <Restriction> alcohol </Restriction>
22             </Source2>
23             ...
24         </FundSourceRestriction>
25         ...
26     </Restriction>...
27 </Trigger>
28
29 </TransferConfig>
30

```

[0030] In the above example, the user "John Smith's" may schedule a transfer from his first bank account, e.g., a prepaid card with number "0000 0000 0000 0000" to another bank card "0000 0000 0000 0003." The transfer may be triggered when the transferor's account (e.g., the prepaid account) has been loaded more than \$500.00 funds, and in such cases 30% of the loaded amount is automatically transferred to the transferee's account. The user may also specify restrictions on the fund transfer to prevent fraudulent transfers. For example, the amount of the transfer may be capped by \$1000.00 for one time, and two transfers may not happen within 24 hours. In one implementation, the SFT PLATFORM may impose such restrictions to protect SFT PLATFORM cardholders, and a cardholder may vary the restrictions by providing customized parameters.

[0031] In further examples, the SFT PLATFORM fund transfer may specify the

1 fund source, e.g., the entities that load the transferor's prepaid card. In the above
2 example, the transferor's card may be loaded by "Unemployment Aid," "Social Service,"
3 "Medical Aid." The SFT PLATFORM may apply restriction on the fund allotted into the
4 prepaid cards from the different fund sources. For example, at least 50% funds loaded
5 by the "Unemployment Aid" may not be transferred to another account; at most
6 "\$100.00" amount from the funds loaded by the "Social Service" may not be transferred
7 for alcohol purchase, and/or the like.

8 **[0032]** In another implementation, The SFT PLATFORM may restrict the fund
9 transfer transaction based on its type. In the above example, the SFT PLATFORM may
10 request verification from a third party (e.g., insurance carrier) if the fund transfer is for
11 a medical insurance payment.

12 **[0033]** In one implementation, the transferor 110a may submit information via a
13 mobile device 105a, e.g., via transferor's mobile electronic wallet (as further illustrated
14 in FIGURES 7A-7C), and/or by providing prepaid card 105b information to the SFT
15 PLATFORM server 120.

16 **[0034]** In one implementation, the transfer information 115b may comprise a user
17 determined transfer schedule, transfer amount, transfer verification procedure, and/or
18 the like. For example, in one implementation, the transferor may request an automatic
19 transfer of a fixed amount of funds on a periodic basis (e.g., salary payment on the first
20 day of every month, etc.). For another example, the transfer may be scheduled when the
21 transferor's account is loaded, and a pre-determined amount, or a percentage of the
22 loaded amount may be transferred.

23 **[0035]** In one embodiment, the SFT PLATFORM server 120 may be affiliated

1 with, or housed at one of the transferor's bank 155a and the transferee's bank 155b. In
2 another embodiment, the SFT PLATOFRM server 120 may be associated with an
3 independent financial institution. In a further embodiment, the SFT PLATOFRM may
4 comprise a plurality of distributed servers, e.g., an IBM J2EE platform, etc.

5 **[0036]** In one embodiment, when the scheduled fund transfer is triggered (e.g.,
6 periodically, or triggered by fund loading at the transferor's account), the transferred
7 funds 158a may be submitted from the transferor's bank 155a to the SFT PLATFORM
8 server 120, which may in turn verify and forward the fund transfer 158b to the
9 transferee's bank 155b, e.g., the transferee's bank card, etc.

10 **[0037]** In one implementation, the fund transfer may require a third party
11 verification. For example, the transferor 110a may be a patient who schedules automatic
12 medical payment upon receiving medical treatment at a healthcare provider. The
13 transferor 110a may submit transfer information 115b to a third party verifier 150, e.g., a
14 healthcare insurance carrier, etc., before the scheduled medical treatment. For example,
15 the transferor 110a may provide information such as the date of the medical treatment,
16 the type of the medical treatment, and/or the like, to the insurance carrier to obtain pre-
17 approval of automatic fund transfer. In that case, when the insurance carrier receives a
18 transfer request 160, the insurance carrier may verify the received medical bill with the
19 pre-approved transferor provided medical treatment information, and issue an
20 authorization 165 of the automatic transfer.

21 **[0038]** In one embodiment, approval of fund transfer from a prepaid card to a
22 designated transfer-to account may be determined by the SFT PLATOFRM based on a
23 number of heuristics. For example, a whitelist of factors may comprise the approval of

1 certain transaction identifiers, certain transaction type (e.g., salary payment,
 2 unemployment, social service, medical insurance, etc.), a combination of transaction
 3 type with other condition (e.g., allotted allocations per transaction type, a proportional
 4 or absolute allowance per a transaction type, etc.), and/or the like. For example, the
 5 SFT PLATFORM may allow 15% of allocated funds to be directed to medical payment
 6 based on transferor requirement, etc. In another implementation, the SFT PLATFORM
 7 may consider a blacklist of factors, such as blacklisting transaction identifiers,
 8 transaction conditions, and triggered combinations thereof, and/or the like. In
 9 addition, the fund source and/or transferor can restrict the fund transfer the allotted
 10 funds they provide to the cardholder. For example, the fund source (e.g., social service,
 11 etc.) may restrict an attempt of fund transfer to an account associated with an individual
 12 not eligible for social service aid.

13 **[0039]** For example, in one implementation, an exemplary XML record of transfer
 14 request 160 may take a form similar to the following:

```

15 <Request>
16     <RequestID> RQ00001 </RequestID>
17     <RequestSource> St Johns Hospital </RequestSource>
18     <PatientName>
19         John Smith
20     </PatientName>
21     <PatientID> JS123456 </PatientID>
22     <PatientAccount>
23         <AccountNo> 0000 0000 0000 0000 </AccountNo>
24         <BankRouting> 111111 </BankRouting>
25         <BankName> Bank of ABC </BankName>
26         ...
27     </PatientAccount>
28     <RequestSubmissionTime>
29         19:45 09-09-2013
30     </RequestSubmissionTime >
31     ...
32     <Transferor>
33         <TransferorName> Dental ASD Provided </TransferorName>
34         <TransferorAccount> ... </TransferorAccount>
35         <TransferorBankRoutingNo> ... </TransferorBankRoutingNo>
36         ...
37     </Transferor>
38     <Transferee>
  
```

```

1         <TransfereeName> ABC Dental </TransfereeName>
2         <TransfereeAccount> ... </TransfereeAccount>
3         <TransfereeBankRoutingNo> ... <TransfereeBankRoutingNo>
4         ...
5     </Transferee>
6     <TransferAmount> 960.00 </TransferAmount>
7     <TriggerRule>
8         <RecordMatch> Yes </RecordMatch>
9         <RequestMatter>
10            <MatterID>
11                Dental00090909
12            </MatterID >
13            <MatterDate>
14                09-15-2013
15            </MatterDate >
16            <Matter>
17                root canal therapy
18            </Matter>
19            <MatterPrice> 1200.00 </MatterPrice>
20            <MatterCoverage>
21                80%
22            </Matter>
23            <Provider>
24                ABC Dental
25            </Provider>
26            ...
27        <InsuredAmountMaximum>
28            1500.00 </InsuredAmountMaximum>
29        <AllowedAmount> 1000.00 </AllowedAmount>
30    </TriggerRule>
31    ...
32 </Request>
33

```

[0040]

In the above example, the SFT PLATOFRM may forward a request for medical payment for the insured portion from an insurance carrier "Dental ASD Provided" to a healthcare provider "ABC Dental," triggered when the request matter has been matched with the patient "John Smith's" previously scheduled medical treatment. For example, the third party verifier (e.g., the insurance carrier "Dental ASD Provided") may verify that the patient "John Smith" previously scheduled to have a "root canal therapy" performed on "09-15-2013," and upon verification the insurance carrier may authorize the scheduled fund transfer of the requested transfer amount "960.00" e.g., "80%" insurance coverage of the full price "1200.00," to the transferee "ABC dental." Further implementations of prepaid healthcare payment SFT PLATFORM are discussed in FIGURE 6.

1 **[0041]** In one embodiment, the SFT PLATFORM server 120 may establish data
 2 records of registered users, transaction details 170 and/or the like for storage in a
 3 database 119. For example, in one implementation, the past transactions 170 may
 4 comprise information with regard to the transaction type (e.g., fund transfer between
 5 one's different accounts, interpersonal transfers, medical insurance payment, etc.),
 6 transaction timestamp, transferor's account number, transferee's account number,
 7 transferred amount, transfer trigger, and/or the like.

8 **[0042]** For example, an exemplary XML record of a transaction 170 may take a
 9 form similar to the following:

```

10 <Transaction>
11     <TransactionID> 123456789 </TransactionID>
12     <TransactionTime> 09:10:23 06-0 6-2 000 </TransactionTime>
13     <TransactionAmount> 150.00 </TransactionAmount>
14     <Transferor>
15         <TransferorName> John Smith </TransferorName>
16         <TransferorAccount> 0000 0000 0000 0000 </TransferorAccount>
17         <TransferorBankRoutingNo> 1111111 </TransferorBankRoutingNo>
18         ...
19     </Transferor>
20     <TransactionType> Same Person; Different Accounts </TransactionType>
21     <Transferee>
22         <TransfereeName> John Smith </TransfereeName>
23         <TransfereeAccount> 0000 0000 0000 0003 </TransfereeAccount>
24         <TransfereeBankRoutingNo> 1111111 </TransfereeBankRoutingNo>
25         ...
26     </Transferee>
27     <Trigger>
28         <TriggerTime> 09:10:15 06-0 6-2 000 </TriggerTime>
29         <TriggerRule>
30             <TransferorAccountLoadMin> 500.00
31             </TransferorAccountLoadMin>
32             <TransferAmount> 30% </TransferAmount>
33             ...
34         </TriggerRule>
35         ...
36     </Trigger>
37     <Approval>
38         <Whitelist>
39             <TransactionID> 00001 </TransactionID>
40             <TransactionType> <Type1> Same Person; Different
41 Accounts <Type2>
42             </TransactionType>
43             ...
44         </Whitelist>
45         <BlackList>
46
47         <TransactionID> 00002 </TransactionID>

```

```

1           <TransactionType> <Type1> greater than 2000.00 <Type2 >
2           </TransactionType>
3           ...
4           </BlackList>
5       </Approval>
6       ...
7 </Transaction>
8

```

[0043] In the above XML example, the scheduled transaction takes place from the user "John Smith's" account to his another account, wherein the transaction is triggered when the transferor's account is loaded more than **\$500.00** funds, and in such cases **30%** of the loaded amount (e.g., **\$150.00** out of **\$500.00**) is automatically transferred to the transferee's account.

[0044] In another implementation, the transaction record **170**, transferred funds **I58a/i58b**, and/or the like may be performed by the SFT PLATFORM originated ACH files, as further illustrated in FIGURE 4.

[0045] FIGURE 1C provides an overview block diagram illustrating data flows between clients, users, servers and system administrators via a communication network for an embodiment of the SFT PLATFORM. In such an embodiment, a user or users may interact with an SFT PLATFORM server **101** through a communication network. It is to be understood that SFT PLATFORM server **101** is illustrated as a remote server by way of example only and that the SFT PLATFORM implementation may be customized based on the requirements of a particular Customer Service Representative (hereinafter "CSR") or prepaid system administrator. User **133a** may submit basic information and data values for processing through a user interface to the SFT PLATFORM server **101** and prepaid admin server **102** through a communication network. In another embodiment, SFT PLATFORM server **101** may be a local computer so that a CSR user may interact with it through user input devices (e.g. a keyboard, mouse, etc.) directly

1 without remote access via a network. In yet another embodiment SFT PLATFORM
2 server may be a local server in a Prepaid Admin System with Prepaid Admin Server(s)
3 102.

4 **[0046]** FIGURE 2 provides a process flow diagram illustrating one embodiment of
5 the SFT PLATFORM. It is to be understood the process illustrated in Figure 2 are not
6 restrictive and may be customized based on the requirements of various administrative
7 users including, and not limited to, Prepaid Administration System (hereinafter "PAS")
8 administrators and bank account administrators. A cardholder or CSR 533 inputs
9 requests to schedule recurring funds transfer 250 using a user interface device. Once
10 received, various edits and limit checks are applied to the data comprising the request
11 255 and a recurring funds transfer is scheduled 260. The cardholder receives a
12 load/deposit 265 and may receive a communications of said load/deposit from the SFT
13 PLATFORM 101 or PAS 102. Meanwhile, the funds transfer may be processed including
14 the application of various edits and limit checks 270. Once complete, the specified
15 amount, as prescribed in the initial request, or the entire load amount may be
16 transferred to a defined checking or savings account 275.

17 **[0047]** FIGURE 3A is a process flow diagram illustrating scheduling a funds
18 transfer in one embodiment of the SFT PLATFORM. As shown in Figure 3 the SFT
19 PLATFORM system may display a homepage 310 or start page 310 to a user 533. The
20 user may select to manage and/or edit a Transfer-to account 315. The SFT system may
21 display an editable web form to allow the user 533 to provide edits and/or entry of
22 prepaid account information 325. The user may be queried to confirm account
23 information. If confirmed 330, the system 101/102 may check edits, entries and account

1 information 335. If not confirmed 330, the user may be presented again with the
2 editable web form 320 until edited/entered information has been confirmed 330. If the
3 validity of the account information is not confirmed the system may initiate an error
4 handler 337 and present the user with the editable web form. If the system confirms the
5 validity of the account information a note may be added to the cardholder's stored
6 history 338 and the system may display a user interface 340 comprising an option to
7 begin transferring funds. When the user selects the option to transfer funds 345 the
8 system may retrieve an options interface template 350, generate and populate the
9 option interface template with the confirmed and validated user account information
10 360. The may display the options interface to the user 365 to provide the user with
11 options to select 370. The system may process and validate the user's selection 375 by
12 querying corresponding servers with optioned information 376. The system may debit
13 the funds transfer and a consumer fee from the user's prepaid account 380. Once
14 complete, the system may increment an ACH billing code 385 stored on the system 102,
15 add a note to the history of the cardholder 390 and send notice of transaction
16 completion to the cardholder 395.

17 **[0048]** FIGURE 4 provides a logic flow illustrating user server interactions of
18 funds transfer to transfer-to account in pending validation status within embodiments
19 of the SFT PLATFORM. In one embodiment, a SFT PLATFORM card program or sub-
20 client may be configured to allow funds transfers to a transfer-to account in pending
21 validation status (prior pre-note return or six day waiting period). In one
22 implementation, the SFT PLATFORM may validate that the user credential, e.g., a
23 cardholder or CSR can add another transfer-to account.

1 **[0049]** In one embodiment, upon the SFT PLATFORM (e.g., the prepaid
2 administrative server 101) initiating a user interface 405, the user may choose an
3 account for transfer, e.g., a checking or savings account 408. The user may then enter
4 user credential information 410, such as their email address (if not already in profile),
5 routing number, account number of the transfer-to account, and/or the like, confirm the
6 email address, routing number and account number entered, and clicks "Submit."

7 **[0050]** In one implementation, the account selection at 408 to create and/or
8 request SFT PLATFORM prepaid cards may be performed via a variety of ways, e.g., by
9 user entering information into a consumer facing web site or administrative user
10 interface (e.g., as shown in FIGURES 5A-5S), by batch files submitted to DPS, and/or
11 the like. In one implementation, the DPS batch files may be either system-generated or
12 manually uploaded through the admin user interface. In another implementation, the
13 DPS batch files may be include in external web service messages sent between
14 transferor's/transferee's banks (e.g., I55a/b) and the SFT PLATOFRM 120, e.g., an XML
15 message.

16 **[0051]** Once cards are created, activated and registered, the user may add a
17 transfer-to account (e.g., a transferee's account) through the consumer facing web site
18 or by calling a CSR and having the CSR go through a similar process on the
19 administrative user interface. Once the transfer-to account is created, most clients use a
20 pre-note process to validate that the cardholder owns the savings/checking account that
21 has been added, which may be performed through ACH files and processes defined by
22 NACHA.

23 **[oo52]** In one implementation, the SFT PLATOFRM may verify the received user

1 credential and the fund transfer request 412, e.g., the email address, routing number
2 and account number confirmations entered. For example, the SFT PLATOFR may
3 validate the routing number legitimacy, generate a pre-note to validate the account
4 number, send a transfer-to account added email to the cardholder's profile email
5 address, adds a note to the cardholder's account history, display the manage transfer-to
6 accounts page (e.g., FIGURES 5A-5S), and/or the like.

7 **[0053]** In one implementation, if the SFT PLATFORM determines the user (e.g.,
8 the user's enrolled card program or sub-client is not configured to allow funds transfer
9 transactions to a transfer-to account in pending validation status), the user will not be
10 able to select transfer-to accounts in pending validation status on the transfer funds
11 page or in the VRU with this configuration, and the SFT PLATOFRM may send an error
12 message 416 notifying the user of the aborted fund transfer attempt.

13 **[0054]** In another implementation, the SFT PLATFORM may provide error
14 messages when a cardholder account has no transfer-to accounts in validated or
15 pending validation status or has the maximum number of transfer-to accounts or is in a
16 status that does not allow funds transfer or has an open/un verifiable fraud case or is
17 fraud blocked or is a joint cardholder. The user may not be able to select add an account
18 from the manager transfer-to accounts page. In another implementation, when the
19 routing number or account number or email address entered differs from the value
20 entered in the corresponding confirm field, an error message will be returned indicating
21 that the relevant value cannot be confirmed.

22 **[0055]** In another implementation, the error message may be displayed when the
23 SFT PLATOFRM cannot validate the routing number, and the SFT PLATFORM does not

1 have an email address on profile and the user does not enter one when setting up a
2 Transfer-to account.

3 **[0056]** In a further implementation, if a recurring funds transfer has previously
4 been scheduled, then the transfer may not occur after a deposit is received and a
5 recurring funds transfer failed email will be sent to the cardholder's profile email
6 address. In a further implementation, the SFT PLATFORM may determine the
7 submitted funds transfer request exceeds a limit or funds availability, and generate an
8 error message indicating that the funds transfer request cannot be accepted.

9 **[0057]** In a further implementation, if the SFT PLATFORM determines a
10 previously scheduled funds transfer exceeds a limit or funds availability or the
11 cardholder account is in invalid status or is fraud blocked or has an open/un verifiable
12 fraud case, the SFT PLATFORM may not validate or process any recurring fund transfer
13 request.

14 **[0058]** In one implementation, if the fund transfer request is successfully verified
15 415, the user may click on the transfer funds link 418 and go to the appropriate transfer
16 funds screen or the cardholder selects to transfer funds in the VRU (e.g., FIGURE 5C).
17 The SFT PLATOFOR may then retrieve a list of available accounts for validated and
18 pending validation status fund transfer 420, and present such options to select 420.

19 **[0059]** In one implementation, the user may configure transfer parameters (e.g.,
20 FIGURES 5C-5G) and selects to continue 423. For example, the user may configure
21 whether the transfer is a one-time transfer or recurring transfer, the trigger of the
22 transfer, the amount of the transfer, and/or the like. Upon receiving user configuration
23 of the fund transfer, the SFT PLATFORM may perform various checks depending on the

1 type of request and the user submits the request 425. For example, if the scheduled
2 transfer is a recurring transfer, the SFT PLATFORM may verify whether the recurring
3 period exceed a predetermined maximum number of transfers, and/or the like.

4 **[0060]** In one embodiment, the SFT PLATFORM may monitor account activities
5 of the transfer-from account (transferor's account) and determine whether the fund
6 transfer trigger 426 takes place based on the transfer parameters configured at 423. For
7 example, in one implementation, if the user configure the transfer to take place when
8 any type of load to the prepaid account (e.g., the transferor's account) occurs, such
9 loading may trigger the transfer of funds to the selected checking or savings account at
10 408. In one implementation, the transferor's account may be loaded by cash/check
11 loads through the administrative user interface, Visa's Ready Link network, Green Dot's
12 reload network, batch files submitted to DPS either system-generated or manually
13 uploaded through the admin UI, and external web service messages sent between
14 systems via XML, and/or the like. In an alternative implementation, the user may set
15 up a credit or debit card funding account to load their prepaid card for SFT PLATFORM
16 via a consumer facing web site or administrative user interface or external web services
17 messaging.

18 **[0061]** In one embodiment, the SFT PLATOFRM may send the fund transfer
19 request to the bank account, which may in term originate an ACH credit to the transfer-
20 to account per the cardholder/CSR request parameters, debit the Funds Transfer
21 amount and consumer fee (if configured) from the prepaid account 428. Such ACH
22 credit may be issued via the ACH network. For example, the SFT PLATFORM may
23 generate a file in compliance with the standard NACHA format, such as but not limited

23

1 to an ACH file header record format, a batch header record format, an entry detail
 2 record format, an addenda record format, a batch control record format, a file control
 3 record format, and/or the like.

4 **[0062]** For example, in one implementation, an example batch record header may
 5 comprise data elements and specifications similar to the following:

Data Element	Field Inclusion Requirement	Contents	Length	Position
Record Type	Mandatory	'5'	1	01-01
Service Class Code	Mandatory	220 Credits Only	3	02-04
Company Name	Mandatory	ABC Bank	16	05-20
Company Discretionary Data	Optional	SFT2003-001	20	21-40
Company Identification	Required	'1'+tax ID	10	41-50
Standard Entry Code	Mandatory	PPD	3	51-53
Company Entry Description	Mandatory	Payroll	10	54-63
Company Descriptive Date	Optional	11-11-00	6	64-69
Effective Entry Date	Required	00-11-11	6	70-75
Settlement Date	Mandatory	000	3	76-78
Originator Status Code	Mandatory	1	1	79-79
Originating DFI Identification	Mandatory	1st 8 digits of tax ID	8	80-87
Batch Number	Required	0000005	7	88-94

6

7 **[0063]** In the above example, the fund transfer batch file is for "Payroll" purposes
 8 as specified in the "Company Entry Description" field, and will start on "11-11-00" as
 9 specified in the "Effective Entry Date" field.

10 **[0064]** In another implementation, the SFT PLATOFRM may generate a SFT
 11 transfer record 430. For example, the SFT PLATFORM may increment the count for the
 12 ACH records process billing code, add a note in the cardholder's account history to
 13 indicate the fund transfer transaction 431, and send a funds transfer requested email to
 14 the cardholder's profile email address 432.

1 **[0065]** In an alternative embodiment, the SFT PLATOFRM may allow a user to
2 schedule a recurring fund transfer, in a similar manner as described in FIGURE 4. For
3 example, in one implementation, the SFT PLATOFRM may check the program/sub-client
4 configuration, presents the new transfer funds screen and shows all transfer-to accounts
5 in validated status and pending validation status if the program/sub-client is configured
6 to allow transfers to accounts in pending validation status. The user may select a
7 recurring transfer option, enters a transfer amount if applicable, and submits the funds
8 transfer request. The SFT PLATOFRM may perform various checks, schedule the funds
9 transfers per the selected parameters, log the event in the cardholder's account history
10 and sends the cardholder a scheduled funds added/modified email.

11 **[0066]** In one implementation, the recurring fund transfer may be triggered by a
12 deposit to the prepaid account of the user. In one implementation, the SFT PLATFORM
13 may perform various checks, originate an ACH credit to the transfer-to account, debits
14 the funds transfer amount and consumer fee (if configured and applicable) from the
15 prepaid account, increments the count for the ACH records process billing code, and
16 sends a funds transfer requested email to the cardholder's profile email address. For
17 example, example notification emails for the cardholder may take a form similar to
18 those in FIGURES 5R-5S.

19 **[0067]** FIGURES 5A-5S show exemplary screen images illustrating various
20 embodiments and implementations of the SFT PLATFORM. In one embodiment the
21 SFT PLATFORM may be configured to provide clients with the ability to configure a
22 card program or sub-client location to allow Funds Transfers to a Transfer-to Account in
23 Pending validation status. A particular implementation of the SFT PLATFORM may be

1 configured to enable Payroll, Commercial and/or GPR card program types. Depending
2 on the implementation, such a configuration may be dependent on the card program or
3 sub-client location being configured to allow Funds Transfer capabilities in one or more
4 channels (e.g., as specified by existing PED settings). In some such implementations, the
5 configuration may allow a Transfer-to Account in Pending validation status to be set as
6 the primary Transfer-to account, and display in the Transfer-to user interface. Such a
7 configuration may allow a user to request a Funds Transfer to a Transfer-to Account in
8 Pending validation status in a Consumer Website (hereinafter "CWS") and a Prepaid
9 Administration System (hereinafter "PAS") and, if set as the primary Transfer-to
10 account, through a Voice Response Unit (hereinafter "VRU"). Such a configuration of
11 the number of allowed Transfer-to Accounts may include accounts in Pending validation
12 status when this new configuration is present.

13 [0068] In another embodiment the SFT PLATFORM may be configured to
14 provide clients with the ability to enter and confirm an account email address, routing
15 number and account number, e.g., as shown in FIGURE 5A. In some embodiments,
16 such a configuration may be implemented on CWS interfaces to add checking Transfer-
17 to accounts and/or add savings Transfer-to accounts. A custom content section may be
18 added and displayed if configured for a particular program or sub-client (as shown and
19 discussed below). One implementation of the SFT PLATFORM may be configured to
20 pre-populate a cardholder's email address (and/or other point contact) and may
21 request the user to the confirm email address (and/or other point contact) if it exists.
22 The text entered in the user interface fields corresponding to a cardholder's email
23 address and user confirmation may be compared once the user has selected a user
24 interface option to submit the information (e.g., via a "Submit" button). In such an

1 implementation, if the text does not match exactly then an error message may be
2 displayed (e.g., "Email address confirmation failed. Re-enter and confirm email
3 address.") Such a configuration may also include user interface input fields for the
4 routing number and account number of the checking or savings Transfer-to account (as
5 illustrated in FIGURES 5A and 5B). Such a configuration may also include an
6 information validation protocol. Such a protocol may initiate in real-time or when the
7 user has selected the appropriate user interface option (i.e., Submit). If the two numbers
8 do not match exactly then an error message may be displayed (e.g., "Routing number
9 confirmation failed. Re-enter and confirm routing number."). If the two numbers do not
10 match exactly then an error message may be displayed (e.g., "Account number
11 confirmation failed. Re-enter and confirm account number."). This process may occur
12 prior to a pre-note account validation process.

13 [0069] In another embodiment, the SFT PLATFORM may be configured to allow
14 Funds Transfers to an account in Pending validation status, and such a configuration
15 may allow a user to select a Transfer-to Account in Pending validation status for a Funds
16 Transfer request. In such a configuration Transfer-to Accounts in Pending validation
17 status may be displayed in a Transfer Funds interface within CWS and PAS. In one such
18 implementation, Transfer-to Accounts in Pending validation status may be allowed to be
19 set as a primary Transfer-to Account. In such a an implementation, if a Transfer-to
20 Account in Pending validation status is set as the primary funds transfer account and
21 the cardholder attempts to transfer funds through the VRU, then the last four digits of
22 the account number may be spoken in the VRU during the existing VRU transfer funds
23 process. If a Transfer-to Account in Pending validation status is selected for a Funds
24 Transfer, then the Funds Transfer may be scheduled or processed without waiting for a

1 pre-note account validation process to change the account status to validated. If the
2 pre-note associated with the Transfer-to Account in Pending validation status is
3 returned, then the Transfer-to account's status may be changed to Invalid and a
4 corresponding system email (and/or other communication) may be sent to the
5 cardholder's profile email address (and/or other point of contact). The account may also
6 be set as no longer available as option in the Transfer-to user interface in CWS and PAS
7 and as an option to select in a Funds Transfer flow in the VRU.

8 [0070] In another embodiment, the SFT PLATFORM may be configured to
9 provide one or more clients with the ability to configure a card program or sub-client
10 location to allow Fund Transfers to a Transfer-to Account in Pending validation status.
11 A particular implementation of SFT PLATFORM may be configured to enable Payroll,
12 Commercial, and/or for General Purpose Reloadable (hereinafter "GPR") card program
13 types. Such a configuration may be dependent on the card program or sub-client
14 location being configured to allow Funds Transfer capabilities in one or more channels
15 (existing PED settings). In one embodiment, such a configuration may allow a Transfer-
16 to Account in Pending validation status to be set as the primary Transfer-to account,
17 and display in the Transfer To dropdown menu on the existing Transfer Funds screens
18 and the Transfer Funds screens defined below in CWS and PAS (depending on user's
19 security settings). This configuration may allow a user to request a Funds Transfer to a
20 Transfer-to Account in Pending validation status in CWS and PAS and, if set as the
21 primary Transfer-to account, through the VRU (which may be limited to one-time
22 immediate transfer only). This configuration may remove a limitation notation or
23 indicia (e.g., the display of "Recently added Transfer-to accounts require validation and
24 may take up to a week before they can be used") on the existing Transfer Funds screens

1 in CWS. The configuration of the number of allowed Transfer-to Accounts may include
2 accounts in Pending validation status when this configuration is present.

3 [0071] In another embodiment, the SFT PLATFORM may be configured to
4 provide clients with the ability to configure a prepaid card program or sub-client
5 location to schedule recurring Funds Transfers. A particular implementation of the SFT
6 PLATFORM may be configured for Payroll, Commercial and/or GPR card program
7 types. This configuration may be dependent on the card program or sub-client location
8 being configured to allow Funds Transfer capabilities in one or more channels (e.g., as
9 specified by existing PED settings). If a program or sub-client selects this configuration
10 then a Transfer Funds interface may be displayed in CWS and PAS to that allow
11 immediate one-time and recurring Funds Transfers. If a program or sub-client does not
12 select this configuration then the existing Transfer Funds interface may be displayed in
13 a preexisting format.

14 [0072] In another embodiment, the SFT PLATFORM may be configured to
15 present a display of Transfer Funds interfaces (e.g., as illustrated by FIGURE 5C) in a
16 Prepaid Consumer Web Site (CWS) and a Prepaid Administration System (PAS)
17 provided a card program or sub client location is configured to allow Recurring Funds
18 Transfers. In a particular implementation of the SFT PLATFORM, if any of one or more
19 specified conditions, such as the following conditions, are met, then the Transfer Funds
20 link in CWS and PAS may not be displayed: (a) Prepaid account is not in Active, Closed
21 or Issued status; (b) Card is associated with a joint cardholder; (c) Prepaid account is
22 fraud blocked; (d) Prepaid account has an open or unverifiable fraud case; (e) Funds
23 Transfer is not configured for the program or sub-client; (f) Card is in Delayed

1 Activation. If the cardholder does not have one or more Transfer-to Accounts in
2 Validated or Pending validation status (depending on program/sub-client
3 configuration) and the cardholder selects the Transfer Funds link on the CWS, then a
4 system message used on a pre-existing CWS Transfer Funds interface may be displayed.
5 If the cardholder does not have one or more Transfer-to Accounts in Validated or
6 Pending validation status (depending on program/sub-client configuration) and the
7 CSR selects the Transfer Funds link in PAS, then a Transfer Funds interface may be
8 displayed with an empty Transfer-to dropdown menu. If the CSR proceeds (e.g., selects
9 the CONTINUE button) in this implementation, then an error message may be
10 displayed (e.g., stating "Missing required field Transfer To Account").

11 **[0073]** In some embodiments, if Funds Transfer is allowed, then a Transfer Funds
12 user interface in the CWS may populated and displayed with various options and
13 information related to a Funds Transfer. An example of such a user interface may
14 comprise the following elements (as illustrated in FIGURE 5C):

15 **[0074]** (a) "Transfer Funds" heading and "Transfer Funds Information" section
16 may be displayed.

17 **[0075]** (b) A custom content section.

18 **[0076]** (c) "Set Frequency of Schedule Options" text may be displayed.

19 **[0077]** (d) "One-Time Immediate Transfer" radio button with "Amount \$,"
20 Amount field, "Between," and minimum and maximum Funds Transfer amounts may be
21 displayed. If the cardholder's available balance is less than the maximum Funds
22 Transfer limit then the available balance amount may be displayed instead of the
23 maximum limit amount.

1 **[0078]** (e) "Recurring Transfer for Specified Amount after Each Deposit Occurs"
2 radio button with "Amount \$," Amount field, "Between," and minimum and maximum
3 Funds Transfer amounts may be displayed. The cardholder's available balance may not
4 be compared to the maximum limit for this option.

5 **[0079]** (f) "Recurring Transfer for Entire Deposit after Each Deposit Occurs"
6 radio button with "Amount \$: Deposit Amount" may be displayed.

7 **[0080]** (g) "Transfer To" with a dropdown menu of available Transfer-to
8 Accounts may be displayed.

9 **[0081]** (h) BACK, CANCEL and CONTINUE buttons may be displayed. If the
10 BACK button is clicked then the previous interface may be displayed. If the CANCEL
11 button is clicked then the Account Summary interface may be displayed with a standard
12 action cancelled system message.

13 **[0082]** If Funds Transfer is allowed, then the Transfer Funds interface in the PAS
14 may be displayed with the following elements (as illustrated in FIGURE 5D):

15 **[0083]** (a) "Cardholder Information" with Card Number and Name labels and
16 data may be displayed.

17 **[0084]** (b) "Account Information" with Available Balance, Actual Balance, Card
18 Status and Expiration Date labels and data may be displayed.

19 **[0085]** (c) "Transfer Funds Information - Any recurring transfer will start after
20 the next deposit to the card - "Set Frequency of Schedule Options" text may be
21 displayed.

22 **[0086]** (d) "One-Time Immediate Transfer" radio button followed by "Amount \$,"

1 Amount field, "Between" and minimum and maximum Funds Transfer amounts may be
2 displayed. If the cardholder's available balance is less than the maximum Funds
3 Transfer limit then the available balance amount may be displayed instead of the
4 maximum limit amount.

5 **[0087]** (e) "Recurring Transfer for Specified Amount after Each Deposit Occurs"
6 radio button with "Amount \$," Amount field, "Between" and minimum and maximum
7 Funds Transfer amounts may be displayed. The cardholder's available balance may not
8 be compared to the maximum limit for this option.

9 **[0088]** (f) "Recurring Transfer for Entire Deposit after Each Deposit Occurs"
10 radio button with "Amount \$: Deposit Amount" may be displayed.

11 **[0089]** (h) "Transfer To" with a dropdown menu of available Transfer-to Accounts
12 may be displayed.

13 **[0090]** (i) CONTINUE button may be displayed.

14 **[0091]** In some embodiments, interfaces and interface elements, such as CWS
15 interfaces, text and field labels, may be translated into one or more languages, such as
16 Spanish, and incorporated into language-specific versions (e.g., a Spanish version of
17 CWS). In some embodiments, a client may be responsible for providing translated text
18 for any custom content.

19 **[0092]** In another embodiment, the SFT PLATFORM may be configured to enable
20 users with the ability to submit a one-time immediate or recurring funds transfer
21 request from the Transfer Funds interface. Depending on the implementation, this may
22 include options for selecting a specific amount or the amount of a deposit. In a

1 particular implementation of the SFT PLATFORM, the selectable user interface may be
2 utilized (e.g., a "CONTINUE button" may be clicked) on the Transfer Funds interface in
3 CWS (as shown in FIGURE 5C) or PAS (as shown in FIGURE 5D), then the user may be
4 able to submit the Funds Transfer request. If the user selects a One-Time Immediate
5 Transfer option, a prescribed Funds Transfer process may be followed including
6 applicable edit checks. If the user selects a Recurring Transfer option and an active
7 Recurring Funds Transfer request already exists, then an error message may be
8 displayed (e.g., "You are only allowed one recurring transfer. Select Scheduled Transfer
9 to view, edit or delete your currently scheduled transfer"). If the user selects a Recurring
10 Transfer option and enters an Amount below the minimum Funds Transfer limit
11 amount, then a similar, appropriate error message may be displayed. If the user selects
12 the Recurring Transfer for Specified Amount after Each Deposit Occurs option and
13 enters an amount that exceeds maximum Funds Transfer limit amount, then an error
14 message (e.g., the message used in a preexisting Transfer Funds interface) may be
15 displayed. If a CSR selects the One Time Immediate Transfer option and selects the
16 CONTINUE button on the Transfer Funds interface in PAS (FIGURE 5D), then a
17 Transfer Fee label and calculated Automated Clearing House (hereinafter "ACH") Funds
18 Transfer Fee amount may be displayed with a Waive fee check box and/or similarly
19 appropriate interface. If a CSR selects a recurring funds transfer option and selects the
20 CONTINUE button on the Transfer Funds interface in PAS (e.g., FIGURE 5D), then the
21 ACH Funds Transfer Fee may not be displayed and the fee amount may be displayed as
22 \$0.00 without the waive fee check box. If a cardholder selects the CONTINUE button
23 from the Transfer Funds interface in CWS (FIGURE 5C), a Confirm Transfer Funds
24 interface may be populated and displayed with transfer funds options and/or

1 information. An example of such an interface may be comprise the following elements:

2 [0093] (a) "Confirm Transfer Funds" header and "Transfer Details" section may
3 be displayed.

4 [0094] (b) A message may be displayed based on the user's frequency selection:

5 [0095] If One-Time Immediate Transfer is selected, then "Once the transfer is
6 submitted, it cannot be cancelled. Are you sure you want to transfer funds?" may be
7 displayed.

8 [0096] If a Recurring Transfer option is selected, then "Once the transfer is
9 submitted, it can be edited or deleted from the Scheduled Transfers page" may be
10 displayed.

11 [0097] (c) "Amount" with the specific amount entered or "Deposit Amount"
12 depending on which option is selected on by the CSR.

13 [0098] (d) "Transfer To" with the account type (Checking account or Savings
14 account) followed by "ending in" and the last four digits of the Transfer-to Account
15 selected on the by the CSR may be displayed.

16 [0099] (f) If a Recurring Transfer option is selected, then "Frequency: After Each
17 Deposit Occurs" maybe displayed.

18 [00100] (g) If One-Time Immediate Transfer is selected and if the program or sub-
19 client has an ACH Funds Transfer Fee configured, then a user interface comprised of a
20 corresponding message may be displayed (i.e. "A Transfer Fee of <Fee Amount> will be
21 charged to your Prepaid Card each time a transfer occurs"). If the ACH Funds Transfer
22 Fee is not set or set at zero then a corresponding message may be displayed to notify the

1 user (i.e. "There is no charge for this funds transfer"). Fee text and amount may not be
2 displayed if a recurring option is selected.

3 **[00101]** (h) A custom content section may be added and displayed if configured for
4 the program or sub-client.

5 **[00102]** (i) BACK, CANCEL and Transfer Funds buttons may be displayed in CWS.

6 **[00103]** (j) Submit button may be displayed in PAS.

7 **[00104]** (k) If the BACK button is selected then the previous interface may be
8 displayed.

9 **[00105]** If the CANCEL button (and/or like interface) is selected, then the Transfer
10 Funds interface may be displayed with a standard action cancelled system message.

11 **[00106]** As discussed above, some implementations may support multiple
12 languages. For example, in one embodiment, all CWS interfaces, text and field labels
13 may be translated into Spanish and incorporated into a Spanish version of CWS. In such
14 an embodiment, the client may be responsible for providing translated text for any
15 custom content.

16 **[00107]** In another embodiment, the SFT PLATFORM may be configured to
17 provide a DPS with the ability to process recurring funds transfers. In a particular
18 implementation of the SFT PLATFORM, a user submits a funds transfer request from
19 the Confirm Funds Transfer interface in CWS (FIGURE 5C) or the Transfer Funds
20 interface in PAS (FIGURE 5D), then the funds transfer may be processed or scheduled.
21 If an user interface option demonstrative of One Time Immediate Transfer is selected,
22 the existing Funds Transfer process may be followed including but not limited to all

1 applicable edit checks, ACH credit origination to the Transfer-to account, debit of the
2 transfer amount and fee if applicable to the prepaid account, NS delivery of funds
3 transfer requested email (and/or other communication) to the cardholder's profile email
4 address (and/or other point of contact). If a Recurring Transfer option is selected then a
5 recurring funds transfer may be scheduled to occur after the next deposit to the prepaid
6 account. If a Recurring Transfer option is selected, then the Scheduled Funds Transfer
7 Added/Modified email (e.g., as illustrated in FIGURE 5Q), and/or other
8 communication, may be sent to the cardholder's profile email address (if it exists and/or
9 is available). If a Recurring Transfer option is selected, then the cardholder's Account
10 History may be updated with the following information:

11 **[00108]** (a) "Transfer scheduled" may be displayed in the Action column.

12 **[00109]** (b) "Recurring funds transfer scheduled" may be displayed in the
13 Description column.

14 **[00110]** In the CWS, of the same embodiment, an Account Summary interface may
15 be displayed with a Funds Transfer confirmation system message. In PAS, an Account
16 Information interface may be displayed with a Funds Transfer confirmation system
17 message.

18 **[00111]** In another example implementation, if a prepaid account has successfully
19 scheduled a recurring funds transfer and receives a deposit then the Funds Transfer may
20 be processed. In this specific example (which is intended to be illustrative and not
21 restrictive), if any of the following conditions are met then the Funds Transfer may not
22 be processed:

23 **[00112]** (a) The program or sub-client is not configured to allow recurring funds

1 transfer.

2 **[00113]** (b) The Funds Transfer Amount exceeds any maximum Funds Transfer
3 amount or count limits.

4 **[00114]** (c) The Funds Transfer Amount is below the minimum Funds Transfer
5 amount limit.

6 **[00115]** (d) If the requested transfer amount is "Deposit Amount" and the available
7 balance after applying the deposit is zero or negative.

8 **[00116]** (e) If the requested amount is a specified amount and the available balance
9 is less than the specified amount.

10 **[00117]** (f) The Transfer-to Account is in an Invalid status or has been deleted.

11 **[00118]** (g) Prepaid account is not in an Active, Closed or Issued status.

12 **[00119]** (h) Prepaid account is fraud blocked.

13 **[00120]** (i) Prepaid account has an open or unverifiable fraud case.

14 **[00121]** (j) Card is in Delayed Activation.

15 **[00122]** In the same specific example (intended to be illustrative, not restrictive) if
16 the funds transfer is not processed, a system email (e.g., as illustrated in FIGURE 5G),
17 and/or other communication, may be sent to the cardholder's profile email address (if it
18 exists), and/or other point of contact. If the funds transfer is not processed due to a
19 prescribed condition then the cardholder's Account History (e.g., as illustrated in
20 FIGURE 5Q) may be updated with the following information:

21 **[00123]** (a) Text notifying the user of the failed transfer (i.e. "Transfer failed") may

1 be displayed.

2 **[00124]** (b) Amount and last 4 digits of the transfer-to account associated with the
3 failed scheduled transfer may be displayed.

4 **[00125]** If the funds transfer is processed, then an ACH credit for the requested
5 amount may be originated to the selected Transfer-to Account from the prepaid account
6 after the deposit has been applied to balance of the prepaid account. If the requested
7 transfer amount is a "Deposit Amount" and the available balance after applying the
8 deposit is less than the deposit amount but greater than zero then the funds transfer
9 may be processed for the amount of the available balance. If the funds transfer is
10 processed, the prepaid account may be debited for the amount of the Funds Transfer
11 and the transaction may be displayed PAS and CWS. If the funds transfer is processed,
12 the count for an associated ACH records process billing code may be incremented the
13 same as one-time immediate funds transfers are counted. If the funds transfer is
14 processed, a system notice (e.g., a "Funds Transfer Requested" email) may be sent to the
15 cardholder's profile email address (and/or a like communication maybe issued).

16 **[00126]** In another embodiment the SFT PLATFORM may be configured to delete
17 a recurring funds transfer request when an associated Transfer-to Account (Checking or
18 Savings) is deleted. In a particular implementation of the SFT PLATFORM a cardholder
19 selects within the CWS a Transfer-to Account that is associated with an existing
20 scheduled recurring funds transfer request, this embodiment may be configured to then
21 display a warning user interface (e.g., FIGURE 5H), wherein the text comprising said
22 warning explains or describes the potential deletion of existing recurring funds transfers
23 (i.e., "Deleting this account will also delete any scheduled recurring funds transfers").

1 The warning user interface may be may displayed in confirmation deletion page (e.g.,
2 FIGURE 5H). In PAS, if a CSR selects a Transfer-to Account that is associated with an
3 existing scheduled recurring funds transfer request, then this embodiment may be
4 configured to then display a warning user interface (e.g., FIGURE 5I), wherein the text
5 comprising said warning explains or describes the potential deletion of existing
6 recurring funds transfers (i.e., "Deleting this account will also delete any scheduled
7 recurring funds transfers"). The warning user interface may be displayed on the
8 Accounts transfer interface (e.g., FIGURE 5I). As discussed above, multiple language
9 formats may be supported.

10 [00127] In another embodiment, the SFT PLATFORM is configured to display
11 Scheduled Transfer interfaces in CWS and PAS if a card program or sub-client has been
12 configured to allow recurring funds transfer. More particularly, if the cardholder has an
13 existing recurring funds transfer scheduled the Scheduled Funds Transfer interface in
14 PAS and CWS may display a user interface comprising detailed information associated
15 with the Scheduled Transfer. An example of a user interface as described in this
16 embodiment may display the following (as further illustrated in FIGURES 5J-5M):

17 **[00128]** (a) "Scheduled Transfer" header may be displayed

18 [00129] (b) "Cardholder Information" section with Cardholder Name and Card
19 Number labels and data may be displayed in CWS.

20 **[00130]** (c) "You are allowed one scheduled transfer" may be displayed.

21 **[00131]** (d) "Scheduled Transfer Details" with Account Type (Checking or Savings),
22 When (frequency of schedule selected - "After Each Deposit Occurs"), Amount
23 (specified amount or "Deposit Amount"), To Routing Number, To Account Number

1 labels and data may be displayed.

2 **[00132]** (e) Delete Scheduled Transfer and Edit Scheduled Transfer buttons may
3 be displayed.

4 **[00133]** If the cardholder does not have a recurring funds transfer already
5 scheduled then the Scheduled Transfer interface may display some variation of
6 explanatory text and/or notification (e.g. "No recurring scheduled transfer found") with
7 a selectable user interface field (e.g. "Add a Scheduled Transfer" button) (e.g., FIGURE
8 5K) that is linked to the previously described Transfer Funds interfaces (FIGURES 4C
9 and 5D).

10 **[00134]** Another embodiment the SFT PLATFORM may be configured to provide a
11 user with the ability to delete a recurring funds transfer. A particular implementation of
12 the SFT PLATFORM may be configured to delete the Recurring Scheduled Transfer
13 request if a selectable user interface on the Scheduled Transfer interface (i.e., "Delete
14 Scheduled Transfer" button) (e.g., FIGURE 5J) has been selected, and wherein the
15 selectable user interface is linked to a deletion protocol of the Scheduled Transfer. In
16 PAS, a warning user interface may be displayed, wherein the text comprising said
17 warning notifies the user of the potential deletion of the scheduled fund transfer and
18 may request user confirmation (i.e., "Are you sure you want to delete the scheduled
19 funds transfer?"). The warning user interface may also include an affirmative and
20 negative user response interface (e.g., "OK" and/or "CANCEL" buttons and/or the like).
21 In CWS or PAS, a Confirm Scheduled Transfer Deletion interface may be displayed with
22 the following information (as illustrated in FIGURE 5M):

23 **[00135]** (a) "Confirm Scheduled Transfer Deletion header with "Are you sure you

1 want to delete the scheduled funds transfer?" text may be displayed.

2 **[00136]** (b) Transfer Details section with the Amount, Transfer to account and
3 Frequency of the recurring transfer labels and data may be displayed for the recurring
4 scheduled transfer request that is being confirmed for deletion.

5 **[00137]** (c) No, Keep this Scheduled Transfer and Yes, Delete this Scheduled
6 Transfer buttons may be displayed.

7 **[00138]** If the affirmative user response interface in PAS or in CWS (i.e. "OK"
8 button, "Yes, Delete this Scheduled Transfer" button, etc.) is selected, then the following
9 items may occur:

10 **[00139]** (a) The selected recurring transfer request may be deleted.

11 **[00140]** (b) The Account Summary interface in CWS or the Account Information
12 interface in PAS maybe displayed.

13 **[00141]** (c) The cardholder's Account History (e.g., FIGURE 5Q) may be updated
14 with a notification of the deleted transfer (i.e., "Scheduled transfer deleted"), the
15 Amount and last 4 digits of the Transfer-to account associated with the deleted
16 scheduled transfer.

17 **[00142]** As discussed above, multiple languages may be supported. For example,
18 in one embodiment, all CWS interfaces, text and field labels may be translated into
19 Spanish and incorporated into a Spanish version of CWS. The client may be responsible
20 for providing translated text for any custom content.

21 **[00143]** In another embodiment the SFT PLATFORM may be configured to give a
22 user the ability to edit a recurring funds transfer. A particular implementation of the

1 SFT PLATFORM may be configured to display a Edit Scheduled Transfer interface in
2 the PAS (e.g., FIGURE 5P) and CWS (e.g., FIGURE 5O) if a selectable user interface on
3 the Edit Scheduled Transfer interface (e.g., an "Edit Scheduled Transfer" button) has
4 been selected, and where in the selectable user interface is linked to a protocol for the
5 modification or edit of a scheduled transfer. In CWS, a Edit Scheduled Transfer
6 interface may be displayed with the following edit protocol information (as illustrated in
7 FIGURE 5O):

8 **[00144]** (a) "Edit Scheduled Transfer Funds" header may be displayed.

9 **[00145]** (b) "Transfer Funds Information" section may be displayed.

10 **[00146]** (c) A custom content section may be added and displayed.

11 **[00147]** (d) "Set Frequency of Schedule" may be displayed.

12 **[00148]** (e) Recurring Transfer for Specified Amount after Each Deposit Occurs
13 radio button option with Amount field and "Between" text followed by the program/sub-
14 client configured minimum and maximum Funds Transfer limit amounts may be
15 displayed.

16 **[00149]** (f) Recurring Transfer for Deposit Amount after Each Deposit Occurs
17 radio button option with "Deposit Amount" may be displayed.

18 **[00150]** (g) "Transfer To" with a dropdown menu of available Transfer-to Accounts
19 may be displayed.

20 **[00151]** (h) BACK, CANCEL and CONTINUE buttons may be displayed in CWS.

21 **[00152]** (i) The Frequency of Schedule radio button of the existing recurring funds
22 transfer may be defaulted.

1 **[00153]** (j) The Amount of the existing recurring funds transfer may be pre-
2 populated if applicable.

3 **[00154]** (k) The Transfer-to Account dropdown selection of the existing recurring
4 funds transfer may be defaulted.

5 **[00155]** (l) If the BACK button is clicked then the previous interface may be
6 displayed.

7 **[00156]** (m) If the CANCEL button is clicked then the Account Summary interface
8 may be displayed with a standard action cancelled system message.

9 **[00157]** In PAS, a Edit Scheduled Transfer interface may be displayed with the
10 following edit protocol information (for example, as illustrated in FIGURE 5P):

11 **[00158]** (a) "Edit Scheduled Transfer Funds" header may be displayed.

12 **[00159]** (b) "Cardholder Information" with Card Number and Name labels and
13 data may be displayed.

14 **[00160]** (c) "Account Information" with Available Balance, Actual Balance, Card
15 Status and Expiration Date labels and data may be displayed.

16 **[00161]** (d) "Transfer Funds Information - Any recurring transfer will start after
17 the next deposit to the card - Set Frequency of Schedule Options" text may be displayed.

18 **[00162]** (e) Recurring Transfer for Specified Amount after Each Deposit Occurs
19 radio button option with Amount field and "Between" text followed by the program/sub-
20 client configured minimum and maximum Funds Transfer limit amounts may be
21 displayed.

22 **[00163]** (f) Recurring Transfer for Deposit Amount after Each Deposit Occurs

1 radio button option with "Deposit Amount" may be displayed.

2 **[oo164]** (g) "Transfer To" with a dropdown menu of available Transfer-to Accounts
3 may be displayed. A Submit button may be displayed.

4 **[ooi65]** (h) The Frequency of Schedule radio button of the existing recurring funds
5 transfer may be defaulted.

6 **[00166]** (i) The Amount of the existing recurring funds transfer may be pre-
7 populated if applicable.

8 **[ooi67]** (j) The Transfer-to Account dropdown selection of the existing recurring
9 funds transfer may be defaulted.

10 **[00168]** If the CONTINUE button is selected then the embodiments,
11 implementations and examples related to recurring transfer funds may be used.

12 **[00169]** In one embodiment of the SFT PLATFORM, example aspects of varying
13 implementation details may include a configuration option to allow a Funds Transfer to
14 a Transfer-to Account in pending validation status the to not stop an existing pre-note
15 validation process from being initiated. In such an implementation a funds request may
16 proceed during the pre-note validation process.

17 **[00170]** In one embodiment of the SFT PLATFORM, example aspects of varying
18 implementation details may include a configuration option to allow a Funds Transfer to
19 a Transfer-to Account in Pending Validation status the ability to treat a Transfer-to
20 Account in Pending Validation status like an account in Validated status (i.e. able to set
21 as the Primary account, spoken in VRU if it is the primary account, etc.).

22 **[00171]** In one embodiment of the SFT PLATFORM, example aspects of varying

1 implementation details may include a display of a transfer funds link or option on the
2 CWS which may continue to use existing logic (i.e. card status, fraud status, etc.).

3 **[00172]** In one embodiment of the SFT PLATFORM, example aspects of varying
4 implementation details may include a one-time immediate funds transfer from a
5 Transfer Funds interface with the ability to work exactly as it may have prior to any
6 system modifications.

7 **[00173]** In one embodiment, the SFT PLATFORM may be configured to leverage
8 existing elements of a system with or without introducing any new elements (i.e. limits,
9 fees, billing codes, system emails, card statuses, Transfer-to Account statuses etc.).

10 **[00174]** In one embodiment of the of the SFT PLATFORM, example aspects of
11 varying implementation details may include changes to a CWS that may not impact
12 conformity to web content accessibility guidelines.

13 **[00175]** In some embodiments, the SFT PLATFORM may provide an extensible
14 architecture, for example recurring funds transfer requests are may be added upon
15 introduction to short-term recurring funds transfer solutions implemented for third
16 party banks.

17 **[00176]** In one embodiment of the SFT PLATFORM, an example implementation
18 may apply ACH Funds Transfer Fees to recurring funds transfers.

19 **[00177]** In one embodiment of the SFT PLATFORM, the PAS interface may be
20 configured to use a system's preexisting fund transfer security capability.

21 **[00178]** In one embodiment, the SFT PLATFORM may be configured to process,
22 display and report ACH credits and returns that result from recurring funds transfers in

1 the same fashion as from immediate funds transfers.

2 [00179] In one embodiment, the SFT PLATFORM may be configured translate all
3 interfaces (i.e. text, buttons and other items) into Spanish and incorporated into a
4 Spanish version of the CWS.

5 [00180] In another embodiment the SFT PLATFORM may be configured to enable
6 a user access to the capabilities and options of the SFT PLATFORM entirely through a
7 VRU.

8 [00181] In another embodiment, aspects of the SFT PLATFORM may be adapted
9 to additional or alternative imbursement opportunities, programs and/or the like. More
10 particularly, for example, the SFT PLATFORM may be applied to the municipal
11 initiative defined to issue prepaid cards for unemployment and disability benefits.

12 [00182] In another embodiment, the SFT PLATFORM may be configured to
13 change the funds transfer capability of a prepaid processing system to enable third party
14 entities to better comport with various regulatory initiatives (i.e. State of California's
15 Unemployment and Disability Benefits Prepaid Card Program RFP).

16 [00183] In another embodiment, the SFT PLATFORM may be configured to
17 schedule a one-time funds transfer for a date in the future.

18 [00184] In another embodiment, the SFT PLATFORM may be configured to set-up
19 a recurring Funds Transfer through at VRU.

20 [00185] In another embodiment, the SFT PLATFORM may be configured to select
21 the full available balance as a Funds Transfer amount

22 [00186] In another embodiment, the SFT PLATFORM may be configured to

1 schedule a recurring Funds Transfer periodically (i.e. every week, every two weeks, every
2 1st or 15th of the month or monthly).

3 **[00187]** In another embodiment, the SFT PLATFORM may be configured to apply
4 a transfer fee (i.e. an ACH Funds Transfer fee) to a funds transfer initiated from a
5 recurring funds transfer request.

6 **[00188]** In one embodiment of the SFT PLATFORM an example benefit may be the
7 fulfilled enhancement request by 3rd party banks to better comport with regulatory
8 initiatives to issue prepaid cards for unemployment and disability benefits.

9 **[00189]** In one embodiment of the SFT PLATFORM an example benefit may be an
10 increased revenue for a processing system from a third party bank through regulatory
11 programs and initiatives.

12 **[00190]** In one embodiment of the SFT PLATFORM an example benefit may be an
13 increased funds transfer facility for all clients and all cardholder using this facility.

14 **[00191]** In one embodiment of the SFT PLATFORM an example benefit may be an
15 increased chance of long term return of a 3rd party's prepaid business.

16 **SFT PLATFORM Healthcare Payment**

17 **[00192]** In one embodiment, the SFT PLATFORM may be applied to a healthcare
18 prepaid payment platform, whereby medical payments may be executed by scheduled
19 fund transfers via the SFT PLATOFRM, from insured patients after loading their
20 prepaid cards at a healthcare provider. The scheduled fund transfers may be triggered
21 by approval of verified procedures, e.g., an insurance carrier (acting as a third party
22 verifier 150 in FIGURE 1A) approving a scheduled medical treatment.

1 [00193] For example, a patient may possess a SFT PLAYFORM healthcare prepaid
2 card, which may comprises the patient's profile information associated with the SFT
3 PLATFORM service, such as, but not limited to patient's name, address, medical
4 conditions, medical treatment, insurance policy, and/or the like. In one
5 implementation, the patient may submit a verification request to the insurance provider
6 indicating a scheduled medical treatment prior to the medical appointment. Within
7 implementations, the patient may indicate the type of the medical treatment,
8 identification of the healthcare provider, and/or the like, based on which the insurance
9 provider may pre-approve a payment amount associated with the potential medical
10 treatment for the patient. In one implementation, upon receiving medical treatment,
11 the patient may swipe the SFT PLATFORM prepaid card at the registry (e.g., a point-of-
12 sale terminal, etc.) at the healthcare provider, and the insurance provider may authorize
13 an insured amount of payment to the healthcare provider.

14 [00194] In one embodiment, the SFT PLATFORM may facilitate electronic
15 payment from the insurance provider to the healthcare provider. In an alternative
16 embodiment, the SFT PLATFORM may generate a paper check for payment if electronic
17 payment transfer is not available, or upon request of the healthcare provider.

18 [00195] In one implementation, the SFT PLATFORM may perform authorization,
19 clearing and settlement of the medical claims upon receiving insured patient card
20 information from a healthcare provider. The SFT PLATFORM cards may be issued via a
21 commercial bank, wherein the issuing commercial bank may connect the patient's bank
22 account with the SFT PLATFORM prepaid card.

23 [00196] In a further implementation, the SFT PLATFORM may allow the patient to

1 pay the uninsured amount of the medical payment to the healthcare provider via the
2 SFT PLATFORM prepaid card. For example, the patient may register a bank account
3 associated with the SFT PLATFORM prepaid card, and authorize the healthcare
4 provider to charge the uninsured amount by swiping his card at the healthcare provider.
5 In one implementation, the SFT PLATFORM may communicate with the patient's bank
6 and facilitate fund transfer from the patient's bank account to the healthcare provider.

7 **[00197]** In a further implementation, the SFT PLATFORM may adopt a variety of
8 user payment vehicles, such as, but not limited to a card, a cellular phone, a smart
9 phone, a PDA, an electronic security key, and/or the like. For example, a patient may
10 associate his personal cellular phone with the SFT PLATFORM, and after receiving a
11 medical treatment, he may send a prepaid request to the SFT PLATFORM by a text
12 message, a phone call, or an email to customer service. The SFT PLATFORM may the
13 verify the medical conditions and authorize the transaction.

14 **[00198]** FIGURE 6 shows a block diagram illustrating various embodiments of the
15 SFT PLATFORM. In one embodiment, when a patient 601 has a scheduled medical
16 appointment, the patient may contact the insurance provider and submit a request for
17 prepaid payment service 610. In one implementation, the patient may call, email, or
18 send a text message of a prepaid request to the customer service of his insurance
19 provider. In an alternative implementation, the SFT PLATFORM 602 may process the
20 prepaid request and communicate with the insurance provider 603. Upon receiving the
21 request, the insurance may process the prepaid request based on the insurance policy
22 115. In one implementation, the insurance provider may determine whether the patient
23 and/or the scheduled medical appointment is qualified for the prepaid payment service.

For example, if the patient's scheduled medical treatment is not covered by his insurance policy, the insurance provider may deny prepaid service and the patient may receive a notification of rejection 620.

[00199] In another implementation, if the patient and the scheduled medical treatment are verified by the insurance provider, the SFT PLATFORM may establish an authorized prepaid record and store it in a prepaid database. For example, an example XML code of a prepaid record may take a form similar to the following:

```

8
9   <RecordID>
10       <PatientName>
11           John Smith
12       </PatientName>
13       <RequestSubmissionTime>
14           19:45 09-09-2013
15       </RequestSubmissionTime >
16       <InsuranceProvider>
17           Dental ASD Provider
18       </InsuranceProvider>
19       <InsurancePlan>
20           Dental All Coverage
21       </InsurancePlan>
22       <RequestMatter>
23           <MatterID>
24               Dental00090909
25           </MatterID >
26           <MatterDate>
27               09-15-2013
28           </MatterDate >
29           <Matter>
30               root canal therapy
31           </Matter>
32           <MatterCoverage>
33               80%
34           </Matter>
35           <Provider>
36               ABC Dental
37           </Provider>
38           ...
39       <InsuredAmountMaximum>
40           1500.00 </InsuredAmountMaximum>
41       <AllowedAmount> 1000.00 </AllowedAmount>
42       ...
43   </RecordID>
44

```

[00200] As shown in the above example, the patient submitted a request for prepaid service for a dental procedure "root canal therapy" scheduled at "ABC dental"

1 on September 15, 2013, and the insurance provider authorized an up-to 1000.00 dollar
2 medical claim settlement for the provider "ABC dental."

3 **[00201]** In one embodiment, after receiving the medical treatment, the patient may
4 submit prepaid service information at the healthcare provider, e.g., swipe his prepaid
5 card 623 at a POS registry, and the healthcare provider 604 may submit medical claim
6 information 630 to the SFT PLATFORM associated with the patient account
7 information obtained from his prepaid card. In one implementation, the medical claim
8 information may comprise, but not limited to a claimed amount, the date of treatment,
9 healthcare provider's identification information, medical treatment, and/or the like.

10 **[00202]** In one embodiment, upon receiving the medical claim request, the SFT
11 PLATFORM may retrieve the previously stored prepaid record 635, which may be
12 similar to the above example, and compare the received patient account and medical
13 claim information with the prepaid record 638 for verification. In one implementation,
14 the SFT PLATFORM may verify the medical claim via a plurality of criteria. For
15 example, the SFT PLATFORM may verify the received amount from the healthcare
16 provider exceeds the pre-allowed amount; whether the procedure performed and/or the
17 healthcare provider is consistent with the procedure and/or healthcare provider
18 indicated in the prepaid record. In a further implementation, the SFT PLATFORM may
19 verify whether the date of the medical treatment performed is within an allowed time
20 frame. For example, if prior to treatment, the patient indicated the treatment would be
21 performed on September 15, 2013, the SFT PLATFORM may allow a flexibility of
22 plus/minus a period of time, e.g., if the allowable time flexibility is 5 days, and the
23 procedure is performed within September 10-20, 2013, the SFT PLATFORM may

1 recognize the medical claim as matching the previously authorized prepaid record.

2 **[00203]** In one embodiment, if one or more criteria does not match the prepaid
3 record, e.g., the requested claim amount exceeds the allowed amount established in the
4 prepaid record, the procedure performed is different from that indicated in the record,
5 etc., the SFT PLATFORM may direct the payment request to further inspection 640. In
6 one implementation, the SFT PLATFORM may communicate with the patient and/or
7 the healthcare provider to clarify the inconsistency to allow reasonable flexibility. For
8 example, a SFT PLATFORM representative may call, text-message and/or email the
9 patient to inquire about the inconsistency and determine whether the received claim
10 request is fraudulent.

11 **[00204]** In one implementation, if SFT PLATFORM determines the received
12 medical claim matches the prepaid record, and/or is not fraudulent, the SFT
13 PLATFORM may send an authorization notice to the insurance provider to process the
14 medical claim 642 and the healthcare provider may receive payment 645.

15 **[00205]** In another implementation, if the SFT PLATFORM determines the
16 received medical claim request is fraudulent, e.g., no such prepaid record exists, etc., the
17 SFT PLATFORM may send an alert to the patient 650, and deny the payment request
18 655.

19 **SFT PLATFORM Mobile Application**

20 **[00206]** FIGURES 7A-7C show exemplar application user interface diagrams
21 illustrating example features of a mobile app in some embodiments of the SFT
22 PLATFORM. In some implementations, as shown in FIGURE 7A, the app executing on

1 the client device of the user may include an app interface providing various features for
2 the user. In some implementations, the app may include an indication of the location
3 (e.g., name of the merchant store, geographical location, information about the aisle
4 within the merchant store, etc.) of the user, e.g., 711. The app may provide an indication
5 of a transfer amount, a loaded amount, e.g., 712. In some implementations, the app may
6 provide various options for the user to select for configuration of the fund transfer, e.g.,
7 to choose a transferor's account and/or a transferee's account. For example, the user
8 may choose from a number of cards (e.g., credit cards, debit cards, prepaid cards, etc.)
9 from various card providers, e.g., 713. In some implementations, the app may provide
10 the user the option to transfer funds included in a bank account of the user, e.g., a
11 checking, savings, money market, current account, etc., e.g., 714. In some
12 implementations, the user may have set default options for which card, bank account,
13 etc. to use for the purchase transactions via the app. In some implementations, such
14 setting of default options may allow the user to initiate the transaction via a single click,
15 tap, swipe, and/or other remedial user input action, e.g., 715. In some implementations,
16 when the user utilizes such an option, the app may utilize the default settings of the user
17 to initiate the transaction, and/or a scheduled fund transfer configuration. In some
18 implementations, the app may allow the user to utilize other accounts (e.g., Google™
19 Checkout, Paypal™ account, etc.) to set up fund transfer, e.g., 716. In some
20 implementations, the app may allow the user to utilize rewards points, airline miles,
21 hotel points, electronic coupons, printed coupons (e.g., by capturing the printed
22 coupons similar to the product identifier) etc., to set up a fund transfer transaction, e.g.,
23 717-718. In some implementations, the app may provide an option to submit the fund
24 transfer schedule request when the fund transfer parameters has been configured, e.g.,

1 719 (further aspects of the authorization is discussed at 415 in FIGURE 4). In some
2 implementations, the app may provide a progress indicator provide indication on the
3 progress of the transaction after the user has selected an option to submit transfer
4 configuration, e.g., 720. In some implementations, the app may provide the user with
5 historical information on the user's prior fund transfers via the app, e.g., 721. In some
6 implementations, the app may provide the user with an option to share information
7 about the transaction (e.g., via email, SMS, wall posting on Facebook®, tweet on
8 Twitter™, etc.) with other users, e.g., 722. For example, the user may want to share
9 information about a donation to a charity fund raising program.

10 **[00207]** In some implementations the app may provide the user an option to
11 display the product identification information captured by the client device (e.g., in
12 order to show a customer service representative at the exit of a store the product
13 information), e.g., 724. In some implementations, the user, app, client device and or
14 SFT PLATFORM may encounter an error in the processing, e.g., when the fund transfer
15 request is denied at 415 in FIGURE 4. In such scenarios, the user may be able to chat
16 with a customer service representative (e.g., VerifyChat 723) to resolve the difficulties in
17 the purchase transaction procedure.

18 **[00208]** For example, in some implementations, the "VerifyChat" feature may be
19 utilized for fraud prevention. For example, the SFT PLATFORM may detect an unusual
20 and/or suspicious fund transfer request (e.g., to a suspicious account, etc.). The SFT
21 PLATFORM may utilize the VerifyChat feature to communicate with the user, and verify
22 the authenticity of the originator of the purchase transaction. In various
23 implementations, the SFT PLATFORM may send electronic mail message, text (SMS)

1 messages, Facebook® messages, Twitter™ tweets, text chat, voice chat, video chat (e.g.,
2 Apple FaceTime), and/or the like to communicate with the user. For example, the SFT
3 PLATFORM may initiate a video challenge for the user, e.g., 725. For example, the user
4 may need to present him/her-self via a video chat, e.g., 726. In some implementations,
5 a customer service representative, e.g., agent 728b, may manually determine the
6 authenticity of the user using the video of the user. In some implementations, the SFT
7 PLATFORM may utilize face, biometric and/or like recognition (e.g., using pattern
8 classification techniques) to determine the identity of the user, e.g., 728a. In some
9 implementations, the app may provide reference marker (e.g., cross-hairs, target box,
10 etc.), e.g., 727, so that the user may the video to facilitate the SFT PLATFORM'S
11 automated recognition of the user. In some implementations, the user may not have
12 initiated the transaction, e.g., the transaction is fraudulent. In such implementations,
13 the user may cancel, e.g., 729, the challenge. The SFT PLATFORM may then cancel the
14 fund transfer request, and/or initiate fraud investigation procedures on behalf of the
15 user.

16 **[00209]** In some implementations, the user may select to schedule a fund transfer
17 using a one-time anonymized credit card number, e.g., 715b. In such implementations,
18 the app may automatically set the user profile settings such that the any personal
19 identifying information of the user will not be provided to the merchant and/or other
20 entities. In one embodiment, the user may be required to enter a user name and
21 password to enable the one-time anonymization feature.

22 **[00210]** In some implementations, the SFT PLATFORM may utilize a text
23 challenge procedure to verify the authenticity of the user, e.g., 730. For example, the

1 SFT PLATFORM may communicate with the user via text chat, SMS messages,
2 electronic mail, Facebook® messages, Twitter™ tweets, and/or the like. The SFT
3 PLATFORM may pose a challenge question, e.g., 732, for the user. The app may provide
4 a user input interface element(s) (e.g., virtual keyboard 733) to answer the challenge
5 question posed by the SFT PLATFORM. In some implementations, the challenge
6 question may randomly selected by the SFT PLATFORM automatically; in some
7 implementations, a customer service representative may manually communicate with
8 the user. In some implementations, the user may not have initiated the transaction,
9 e.g., the transaction is fraudulent. In such implementations, the user may cancel, e.g.,
10 731, the text challenge. The SFT PLATFORM may then cancel the transaction, and/or
11 initiate fraud investigation procedures on behalf of the user.

12 **[0021]** In some implementations, the user may be able to view and/or modify the
13 user profile and/or settings of the user, e.g., by activating user interface element 709
14 (see FIGURE 7A). For example, the user may be able to view/modify a user name (e.g.,
15 735a-t>), account number (e.g., 736a-b), user security access code (e.g., 737a-b), user pin
16 (e.g., 738a-b), user address (e.g., 739a-b), social security number associated with the
17 user (e.g., 740a-b), current device GPS location (e.g., 741a-b), user account of the
18 merchant in whose store the user currently is (e.g., 742a-b), the user's rewards accounts
19 (e.g., 743a-b), and/or the like. In some implementations, the user may be able to select
20 which of the data fields and their associated values should be transmitted to facilitate
21 the purchase transaction. For example, in the example illustration in FIGURE 7C, the
22 user has selected the name 735a, account number 736a, security code 737a, merchant
23 account ID 742a and rewards account ID 743a as the fields to be sent as part of the
24 notification to process the purchase transaction. In some implementations, the user

1 may toggle the fields and/or data values that are sent as part of the notification to
2 process the purchase transactions. In some implementations, the app may provide
3 multiple screens of data fields and/or associated values stored for the user to select as
4 part of the purchase order transmission.

5 **[00212]** In some implementations, the app may provide the SFT PLATFORM with
6 the GPS location of the user. For example, when a user utilize SFT PLATOFRM for
7 automatic healthcare payment for a scheduled medical procedure (as discussed in
8 FIGURE 6), based on the GPS location of the user, the SFT PLATFORM may determine
9 the context of the user (e.g., whether the user is in a doctor's office, hospital, health
10 center, etc.). Based on the context, the user app may present the appropriate fields to
11 the user, from which the user may select fields and/or field values to send as part of the
12 purchase order transmission.

13 **SFT PLATFORM Controller**

14 **[00213]** FIGURE 8 shows a block diagram illustrating embodiments of a SFT
15 PLATFORM controller. In this embodiment, the SFT PLATFORM controller 801 may
16 serve to aggregate, process, store, search, serve, identify, instruct, generate, match,
17 and/or facilitate interactions with a computer through social network and electronic
18 commerce technologies, and/or other related data.

19 **[00214]** Typically, users, which may be people and/or other systems, may engage
20 information technology systems (e.g., computers) to facilitate information processing.
21 In turn, computers employ processors to process information; such processors 803 may
22 be referred to as central processing units (CPU). One form of processor is referred to as

1 a microprocessor. CPUs use communicative circuits to carry and pass encoded (e.g.,
2 binary) signals acting as instructions to bring about various operations. These
3 instructions may be operational and/or data instructions containing and/or referencing
4 other instructions and data in various processor accessible and operable areas of
5 memory 829 (e.g., registers, cache memory, random access memory, etc.). Such
6 communicative instructions may be stored and/or transmitted in batches (e.g., batches
7 of instructions) as programs and/or data components to facilitate desired operations.
8 These stored instruction codes, e.g., programs, may engage the CPU circuit components
9 and other motherboard and/or system components to perform desired operations. One
10 type of program is a computer operating system, which, may be executed by CPU on a
11 computer; the operating system enables and facilitates users to access and operate
12 computer information technology and resources. Some resources that may be employed
13 in information technology systems include: input and output mechanisms through
14 which data may pass into and out of a computer; memory storage into which data may
15 be saved; and processors by which information may be processed. These information
16 technology systems may be used to collect data for later retrieval, analysis, and
17 manipulation, which may be facilitated through a database program. These information
18 technology systems provide interfaces that allow users to access and operate various
19 system components.

20 **[00215]** In one embodiment, the SFT PLATFORM controller 801 may be connected
21 to and/or communicate with entities such as, but not limited to: one or more users from
22 user input devices 811; peripheral devices 812; an optional cryptographic processor
23 device 828; and/or a communications network 813.

1 **[00216]** Networks are commonly thought to comprise the interconnection and
2 interoperation of clients, servers, and intermediary nodes in a graph topology. It should
3 be noted that the term "server" as used throughout this application refers generally to a
4 computer, other device, program, or combination thereof that processes and responds to
5 the requests of remote users across a communications network. Servers serve their
6 information to requesting "clients." The term "client" as used herein refers generally to a
7 computer, program, other device, user and/or combination thereof that is capable of
8 processing and making requests and obtaining and processing any responses from
9 servers across a communications network. A computer, other device, program, or
10 combination thereof that facilitates, processes information and requests, and/or
11 furthers the passage of information from a source user to a destination user is
12 commonly referred to as a "node." Networks are generally thought to facilitate the
13 transfer of information from source points to destinations. A node specifically tasked
14 with furthering the passage of information from a source to a destination is commonly
15 called a "router." There are many forms of networks such as Local Area Networks
16 (LANs), Pico networks, Wide Area Networks (WANs), Wireless Networks (WLANs), etc.
17 For example, the Internet is generally accepted as being an interconnection of a
18 multitude of networks whereby remote clients and servers may access and interoperate
19 with one another.

20 **[00217]** The SFT PLATFORM controller 801 may be based on computer systems
21 that may comprise, but are not limited to, components such as: a computer
22 systemization 802 connected to memory 829.

1 **[00218]** A computer systemization 802 may comprise a clock 830, central
2 processing unit ("CPU(s)" and/or "processor(s)" (these terms are used interchangeable
3 throughout the disclosure unless noted to the contrary)) 803, a memory 829 (e.g., a read
4 only memory (ROM) 806, a random access memory (RAM) 805, etc.), and/or an
5 interface bus 807, and most frequently, although not necessarily, are all interconnected
6 and/or communicating through a system bus 804 on one or more (mother)board(s) 802
7 having conductive and/or otherwise transportive circuit pathways through which
8 instructions (e.g., binary encoded signals) may travel to effectuate communications,
9 operations, storage, etc. The computer systemization may be connected to a power
10 source 886; e.g., optionally the power source may be internal. Optionally, a
11 cryptographic processor 826 and/or transceivers (e.g., ICs) 874 may be connected to the
12 system bus. In another embodiment, the cryptographic processor and/or transceivers
13 may be connected as either internal and/or external peripheral devices 812 via the
14 interface bus I/O. In turn, the transceivers may be connected to antenna(s) 875, thereby
15 effectuating wireless transmission and reception of various communication and/or
16 sensor protocols; for example the antenna(s) may connect to: a Texas Instruments
17 WiLink WL1283 transceiver chip (e.g., providing 802.1m, Bluetooth 3.0, FM, global
18 positioning system (GPS) (thereby allowing SFT PLATFORM controller to determine its
19 location)); Broadcom BCM4329FKUBG transceiver chip (e.g., providing 802.1m,
20 Bluetooth 2.1 + EDR, FM, etc.); a Broadcom BCM4750IUB8 receiver chip (e.g., GPS); an
21 Infineon Technologies X-Gold 618-PMB9800 (e.g., providing 2G/3G HSDPA/HSUPA
22 communications); and/or the like. The system clock typically has a crystal oscillator and
23 generates a base signal through the computer systemization's circuit pathways. The
24 clock is typically coupled to the system bus and various clock multipliers that will

1 increase or decrease the base operating frequency for other components interconnected
2 in the computer systemization. The clock and various components in a computer
3 systemization drive signals embodying information throughout the system. Such
4 transmission and reception of instructions embodying information throughout a
5 computer systemization may be commonly referred to as communications. These
6 communicative instructions may further be transmitted, received, and the cause of
7 return and/or reply communications beyond the instant computer systemization to:
8 communications networks, input devices, other computer systemizations, peripheral
9 devices, and/or the like. It should be understood that in alternative embodiments, any
10 of the above components may be connected directly to one another, connected to the
11 CPU, and/or organized in numerous variations employed as exemplified by various
12 computer systems.

13 **[00219]** The CPU comprises at least one high-speed data processor adequate to
14 execute program components for executing user and/or system-generated requests.
15 Often, the processors themselves will incorporate various specialized processing units,
16 such as, but not limited to: integrated system (bus) controllers, memory management
17 control units, floating point units, and even specialized processing sub-units like
18 graphics processing units, digital signal processing units, and/or the like. Additionally,
19 processors may include internal fast access addressable memory, and be capable of
20 mapping and addressing memory 829 beyond the processor itself; internal memory may
21 include, but is not limited to: fast registers, various levels of cache memory (e.g., level 1,
22 2, 3, etc.), RAM, etc. The processor may access this memory through the use of a
23 memory address space that is accessible via instruction address, which the processor
24 can construct and decode allowing it to access a circuit path to a specific memory

1 address space having a memory state. The CPU may be a microprocessor such as:
2 AMD's Athlon, Duron and/or Opteron; ARM's application, embedded and secure
3 processors; IBM and/or Motorola's DragonBall and PowerPC; IBM's and Sony's Cell
4 processor; Intel's Celeron, Core (2) Duo, Itanium, Pentium, Xeon, and/or XScale;
5 and/or the like processor(s). The CPU interacts with memory through instruction
6 passing through conductive and/or transportive conduits (e.g., (printed) electronic
7 and/or optic circuits) to execute stored instructions (i.e., program code) according to
8 conventional data processing techniques. Such instruction passing facilitates
9 communication within the SFT PLATFORM controller and beyond through various
10 interfaces. Should processing requirements dictate a greater amount speed and/or
11 capacity, distributed processors (e.g., Distributed SFT PLATFORM), mainframe, multi-
12 core, parallel, and/or super-computer architectures may similarly be
13 employed. Alternatively, should deployment requirements dictate greater portability,
14 smaller Personal Digital Assistants (PDAs) may be employed.

15 **[00220]** Depending on the particular implementation, features of the SFT
16 PLATFORM may be achieved by implementing a microcontroller such as CAST'S
17 R8051XC2 microcontroller; Intel's MCS 51 (i.e., 8051 microcontroller); and/or the like.
18 Also, to implement certain features of the SFT PLATFORM, some feature
19 implementations may rely on embedded components, such as: Application-Specific
20 Integrated Circuit ("ASIC"), Digital Signal Processing ("DSP"), Field Programmable
21 Gate Array ("FPGA"), and/or the like embedded technology. For example, any of the
22 SFT PLATFORM component collection (distributed or otherwise) and/or features may
23 be implemented via the microprocessor and/or via embedded components; e.g., via
24 ASIC, coprocessor, DSP, FPGA, and/or the like. Alternately, some implementations of

1 the SFT PLATFORM may be implemented with embedded components that are
2 configured and used to achieve a variety of features or signal processing.

3 [00221] Depending on the particular implementation, the embedded components
4 may include software solutions, hardware solutions, and/or some combination of both
5 hardware/ software solutions. For example, SFT PLATFORM features discussed herein
6 may be achieved through implementing FPGAs, which are a semiconductor devices
7 containing programmable logic components called "logic blocks", and programmable
8 interconnects, such as the high performance FPGA Virtex series and/or the low cost
9 Spartan series manufactured by Xilinx. Logic blocks and interconnects can be
10 programmed by the customer or designer, after the FPGA is manufactured, to
11 implement any of the SFT PLATFORM features. A hierarchy of programmable
12 interconnects allow logic blocks to be interconnected as needed by the SFT PLATFORM
13 system designer/administrator, somewhat like a one-chip programmable breadboard.
14 An FPGAs logic blocks can be programmed to perform the operation of basic logic gates
15 such as AND, and XOR, or more complex combinational operators such as decoders or
16 mathematical operations. In most FPGAs, the logic blocks also include memory
17 elements, which may be circuit flip-flops or more complete blocks of memory. In some
18 circumstances, the SFT PLATFORM may be developed on regular FPGAs and then
19 migrated into a fixed version that more resembles ASIC implementations. Alternate or
20 coordinating implementations may migrate SFT PLATFORM controller features to a
21 final ASIC instead of or in addition to FPGAs. Depending on the implementation all of
22 the aforementioned embedded components and microprocessors may be considered the
23 "CPU" and/or "processor" for the SFT PLATFORM.

Power Source

[00222] The power source 886 may be of any standard form for powering small electronic circuit board devices such as the following power cells: alkaline, lithium hydride, lithium ion, lithium polymer, nickel cadmium, solar cells, and/or the like. Other types of AC or DC power sources may be used as well. In the case of solar cells, in one embodiment, the case provides an aperture through which the solar cell may capture photonic energy. The power cell 886 is connected to at least one of the interconnected subsequent components of the SFT PLATFORM thereby providing an electric current to all subsequent components. In one example, the power source 886 is connected to the system bus component 804. In an alternative embodiment, an outside power source 886 is provided through a connection across the I/O 808 interface. For example, a USB and/or IEEE 1394 connection carries both data and power across the connection and is therefore a suitable source of power.

Interface Adapters

[00223] Interface bus(es) 807 may accept, connect, and/or communicate to a number of interface adapters, conventionally although not necessarily in the form of adapter cards, such as but not limited to: input output interfaces (I/O) 808, storage interfaces 809, network interfaces 810, and/or the like. Optionally, cryptographic processor interfaces 827 similarly may be connected to the interface bus. The interface bus provides for the communications of interface adapters with one another as well as with other components of the computer systemization. Interface adapters are adapted for a compatible interface bus. Interface adapters conventionally connect to the interface bus via a slot architecture. Conventional slot architectures may be employed,

1 such as, but not limited to: Accelerated Graphics Port (AGP), Card Bus, (Extended)
2 Industry Standard Architecture ((E)ISA), Micro Channel Architecture (MCA), NuBus,
3 Peripheral Component Interconnect (Extended) (PCI(X)), PCI Express, Personal
4 Computer Memory Card International Association (PCMCIA), and/or the like.

5 **[00224]** Storage interfaces 809 may accept, communicate, and/or connect to a
6 number of storage devices such as, but not limited to: storage devices 814, removable
7 disc devices, and/or the like. Storage interfaces may employ connection protocols such
8 as, but not limited to: (Ultra) (Serial) Advanced Technology Attachment (Packet
9 Interface) ((Ultra) (Serial) ATA(PI)), (Enhanced) Integrated Drive Electronics ((E)IDE),
10 Institute of Electrical and Electronics Engineers (IEEE) 1394, fiber channel, Small
11 Computer Systems Interface (SCSI), Universal Serial Bus (USB), and/or the like.

12 **[00225]** Network interfaces 810 may accept, communicate, and/or connect to a
13 communications network 813. Through a communications network 813, the SFT
14 PLATFORM controller is accessible through remote clients 833b (e.g., computers with
15 web browsers) by users 833a. Network interfaces may employ connection protocols such
16 as, but not limited to: direct connect, Ethernet (thick, thin, twisted pair 10/100/1000
17 Base T, and/or the like), Token Ring, wireless connection such as IEEE 802.na-x,
18 and/or the like. Should processing requirements dictate a greater amount speed and/or
19 capacity, distributed network controllers (e.g., Distributed SFT PLATFORM),
20 architectures may similarly be employed to pool, load balance, and/or otherwise
21 increase the communicative bandwidth required by the SFT PLATFORM controller. A
22 communications network may be any one and/or the combination of the following: a
23 direct interconnection; the Internet; a Local Area Network (LAN); a Metropolitan Area

1 Network (MAN); an Operating Missions as Nodes on the Internet (OMNI); a secured
2 custom connection; a Wide Area Network (WAN); a wireless network (e.g., employing
3 protocols such as, but not limited to a Wireless Application Protocol (WAP), I-mode,
4 and/or the like); and/or the like. A network interface may be regarded as a specialized
5 form of an input output interface. Further, multiple network interfaces 810 may be used
6 to engage with various communications network types 813. For example, multiple
7 network interfaces may be employed to allow for the communication over broadcast,
8 multicast, and/or unicast networks.

9 **[00226]** Input Output interfaces (I/O) 808 may accept, communicate, and/or
10 connect to user input devices 811, peripheral devices 812, cryptographic processor
11 devices 828, and/or the like. I/O may employ connection protocols such as, but not
12 limited to: audio: analog, digital, monaural, RCA, stereo, and/or the like; data: Apple
13 Desktop Bus (ADB), IEEE I394a-b, serial, universal serial bus (USB); infrared; joystick;
14 keyboard; midi; optical; PC AT; PS/2; parallel; radio; video interface: Apple Desktop
15 Connector (ADC), BNC, coaxial, component, composite, digital, Digital Visual Interface
16 (DVI), high-definition multimedia interface (HDMI), RCA, RF antennae, S-Video, VGA,
17 and/or the like; wireless transceivers: 802.na/b/g/n/x; Bluetooth; cellular (e.g., code
18 division multiple access (CDMA), high speed packet access (HSPA(+)), high-speed
19 downlink packet access (HSDPA), global system for mobile communications (GSM),
20 long term evolution (LTE), WiMax, etc.); and/or the like. One typical output device may
21 include a video display, which typically comprises a Cathode Ray Tube (CRT) or Liquid
22 Crystal Display (LCD) based monitor with an interface (e.g., DVI circuitry and cable)
23 that accepts signals from a video interface, may be used. The video interface composites
24 information generated by a computer systemization and generates video signals based

1 on the composited information in a video memory frame. Another output device is a
2 television set, which accepts signals from a video interface. Typically, the video interface
3 provides the composited video information through a video connection interface that
4 accepts a video display interface (e.g., an RCA composite video connector accepting an
5 RCA composite video cable; a DVI connector accepting a DVI display cable, etc.).

6 **[00227]** User input devices 811 often are a type of peripheral device 512 (see below)
7 and may include: card readers, dongles, finger print readers, gloves, graphics tablets,
8 joysticks, keyboards, microphones, mouse (mice), remote controls, retina readers, touch
9 screens (e.g., capacitive, resistive, etc.), trackballs, trackpads, sensors (e.g.,
10 accelerometers, ambient light, GPS, gyroscopes, proximity, etc.), styluses, and/or the
11 like.

12 **[00228]** Peripheral devices 812 may be connected and/or communicate to I/O
13 and/or other facilities of the like such as network interfaces, storage interfaces, directly
14 to the interface bus, system bus, the CPU, and/or the like. Peripheral devices may be
15 external, internal and/or part of the SFT PLATFORM controller. Peripheral devices may
16 include: antenna, audio devices (e.g., line-in, line-out, microphone input, speakers, etc.),
17 cameras (e.g., still, video, webcam, etc.), dongles (e.g., for copy protection, ensuring
18 secure transactions with a digital signature, and/or the like), external processors (for
19 added capabilities; e.g., crypto devices 528), force-feedback devices (e.g., vibrating
20 motors), network interfaces, printers, scanners, storage devices, transceivers (e.g.,
21 cellular, GPS, etc.), video devices (e.g., goggles, monitors, etc.), video sources, visors,
22 and/or the like. Peripheral devices often include types of input devices (e.g., cameras).

23 **[00229]** It should be noted that although user input devices and peripheral devices

1 may be employed, the SFT PLATFORM controller may be embodied as an embedded,
2 dedicated, and/or monitor-less (i.e., headless) device, wherein access would be provided
3 over a network interface connection.

4 **[00230]** Cryptographic units such as, but not limited to, microcontrollers,
5 processors 826, interfaces 827, and/or devices 828 may be attached, and/or
6 communicate with the SFT PLATFORM controller. A MC68HC16 microcontroller,
7 manufactured by Motorola Inc., may be used for and/or within cryptographic units. The
8 MC68HC16 microcontroller utilizes a 16-bit multiply-and-accumulate instruction in the
9 16 MHz configuration and requires less than one second to perform a 512-bit RSA
10 private key operation. Cryptographic units support the authentication of
11 communications from interacting agents, as well as allowing for anonymous
12 transactions. Cryptographic units may also be configured as part of the CPU. Equivalent
13 microcontrollers and/or processors may also be used. Other commercially available
14 specialized cryptographic processors include: Broadcom's CryptoNetX and other
15 Security Processors; nCipher's nShield; SafeNet's Luna PCI (e.g., 7100) series;
16 Semaphore Communications' 40 MHz Roadrunner 184; Sun's Cryptographic
17 Accelerators (e.g., Accelerator 6000 PCIe Board, Accelerator 500 Daughtercard); Via
18 Nano Processor (e.g., L2100, L2200, U2400) line, which is capable of performing 500+
19 MB/s of cryptographic instructions; VLSI Technology's 33 MHz 6868; and/or the like.

20

Memory

21 **[00231]** Generally, any mechanization and/or embodiment allowing a processor to
22 affect the storage and/or retrieval of information is regarded as memory 829. However,
23 memory is a fungible technology and resource, thus, any number of memory

embodiments may be employed in lieu of or in concert with one another. It is to be understood that the SFT PLATFORM controller and/or a computer systemization may employ various forms of memory 829. For example, a computer systemization may be configured wherein the operation of on-chip CPU memory (e.g., registers), RAM, ROM, and any other storage devices are provided by a paper punch tape or paper punch card mechanism; however, such an embodiment would result in an extremely slow rate of operation. In a typical configuration, memory 829 will include ROM 806, RAM 805, and a storage device 814. A storage device 814 may be any conventional computer system storage. Storage devices may include a drum; a (fixed and/or removable) magnetic disk drive; a magneto-optical drive; an optical drive (i.e., Blu-ray, CD ROM/RAM/Recordable (R)/ReWritable (RW), DVD R/RW, HD DVD R/RW etc.); an array of devices (e.g., Redundant Array of Independent Disks (RAID)); solid state memory devices (USB memory, solid state drives (SSD), etc.); other processor-readable storage mediums; and/or other devices of the like. Thus, a computer systemization generally requires and makes use of memory.

Component Collection

[00232] The memory 829 may contain a collection of program and/or database components and/or data such as, but not limited to: operating system component(s) 815 (operating system); information server component(s) 816 (information server); user interface component(s) 817 (user interface); Web browser component(s) 818 (Web browser); database(s) 819; mail server component(s) 821; mail client component(s) 822; cryptographic server component(s) 820 (cryptographic server); the SFT PLATFORM component(s) 835; and/or the like (i.e., collectively a component

1 collection). These components may be stored and accessed from the storage devices
2 and/or from storage devices accessible through an interface bus. Although non-
3 conventional program components such as those in the component collection, typically,
4 are stored in a local storage device 814, they may also be loaded and/or stored in
5 memory such as: peripheral devices, RAM, remote storage facilities through a
6 communications network, ROM, various forms of memory, and/or the like.

7 **Operating System**

8 **[00233]** The operating system component 815 is an executable program
9 component facilitating the operation of the SFT PLATFORM controller. Typically, the
10 operating system facilitates access of I/O, network interfaces, peripheral devices,
11 storage devices, and/or the like. The operating system may be a highly fault tolerant,
12 scalable, and secure system such as: Apple Macintosh OS X (Server); AT&T Plan 9; Be
13 OS; Unix and Unix-like system distributions (such as AT&T's UNIX; Berkley Software
14 Distribution (BSD) variations such as FreeBSD, NetBSD, OpenBSD, and/or the like;
15 Linux distributions such as Red Hat, Ubuntu, and/or the like); and/or the like operating
16 systems. However, more limited and/or less secure operating systems also may be
17 employed such as Apple Macintosh OS, IBM OS/2, Microsoft DOS, Microsoft Windows
18 2000/2003/3.1/95/98/CE/Millennium/NT/Vista/XP (Server), Palm OS, and/or the like.
19 An operating system may communicate to and/or with other components in a
20 component collection, including itself, and/or the like. Most frequently, the operating
21 system communicates with other program components, user interfaces, and/or the like.
22 For example, the operating system may contain, communicate, generate, obtain, and/or
23 provide program component, system, user, and/or data communications, requests,

1 and/or responses. The operating system, once executed by the CPU, may facilitate the
2 interaction with communications networks, data, I/O, peripheral devices, program
3 components, memory, user input devices, and/or the like. The operating system may
4 provide communications protocols that allow the SFT PLATFORM controller to
5 communicate with other entities through a communications network 813. Various
6 communication protocols may be used by the SFT PLATFORM controller as a subcarrier
7 transport mechanism for interaction, such as, but not limited to: multicast, TCP/IP,
8 UDP, unicast, and/or the like.

9 **Information Server**

10 **[00234]** An information server component 816 is a stored program component that
11 is executed by a CPU. The information server may be a conventional Internet
12 information server such as, but not limited to Apache Software Foundation's Apache,
13 Microsoft's Internet Information Server, and/or the like. The information server may
14 allow for the execution of program components through facilities such as Active Server
15 Page (ASP), ActiveX, (ANSI) (Objective-) C (++), C# and/or .NET, Common Gateway
16 Interface (CGI) scripts, dynamic (D) hypertext markup language (HTML), FLASH, Java,
17 JavaScript, Practical Extraction Report Language (PERL), Hypertext Pre-Processor
18 (PHP), pipes, Python, wireless application protocol (WAP), WebObjects, and/or the like.
19 The information server may support secure communications protocols such as, but not
20 limited to, File Transfer Protocol (FTP); HyperText Transfer Protocol (HTTP); Secure
21 Hypertext Transfer Protocol (HTTPS), Secure Socket Layer (SSL), messaging protocols
22 (e.g., America Online (AOL) Instant Messenger (AIM), Application Exchange (APEX),
23 ICQ, Internet Relay Chat (IRC), Microsoft Network (MSN) Messenger Service, Presence

1 and Instant Messaging Protocol (PRIM), Internet Engineering Task Force's (IETF's)
2 Session Initiation Protocol (SIP), SIP for Instant Messaging and Presence Leveraging
3 Extensions (SIMPLE), open XML-based Extensible Messaging and Presence Protocol
4 (XMPP) (i.e., Jabber or Open Mobile Alliance's (OMA's) Instant Messaging and
5 Presence Service (IMPS)), Yahoo! Instant Messenger Service, and/or the like. The
6 information server provides results in the form of Web pages to Web browsers, and
7 allows for the manipulated generation of the Web pages through interaction with other
8 program components. After a Domain Name System (DNS) resolution portion of an
9 HTTP request is resolved to a particular information server, the information server
10 resolves requests for information at specified locations on the SFT PLATFORM
11 controller based on the remainder of the HTTP request. For example, a request such as
12 `http://123.124.125.126/myInformation.html` might have the IP portion of the request
13 "123.124.125.126" resolved by a DNS server to an information server at that IP address;
14 that information server might in turn further parse the http request for the
15 `"/myInformation.html"` portion of the request and resolve it to a location in memory
16 containing the information "myInformation.html." Additionally, other information
17 serving protocols may be employed across various ports, e.g., FTP communications
18 across port 21, and/or the like. An information server may communicate to and/or with
19 other components in a component collection, including itself, and/or facilities of the
20 like. Most frequently, the information server communicates with the SFT PLATFORM
21 database 819, operating systems, other program components, user interfaces, Web
22 browsers, and/or the like.

23 **[00235]** Access to the SFT PLATFORM database may be achieved through a
24 number of database bridge mechanisms such as through scripting languages as

1 enumerated below (e.g., CGI) and through inter-application communication channels as
2 enumerated below (e.g., CORBA, WebObjects, etc.). Any data requests through a Web
3 browser are parsed through the bridge mechanism into appropriate grammars as
4 required by the SFT PLATFORM. In one embodiment, the information server would
5 provide a Web form accessible by a Web browser. Entries made into supplied fields in
6 the Web form are tagged as having been entered into the particular fields, and parsed as
7 such. The entered terms are then passed along with the field tags, which act to instruct
8 the parser to generate queries directed to appropriate tables and/or fields. In one
9 embodiment, the parser may generate queries in standard SQL by instantiating a search
10 string with the proper join/select commands based on the tagged text entries, wherein
11 the resulting command is provided over the bridge mechanism to the SFT PLATFORM
12 as a query. Upon generating query results from the query, the results are passed over the
13 bridge mechanism, and may be parsed for formatting and generation of a new results
14 Web page by the bridge mechanism. Such a new results Web page is then provided to
15 the information server, which may supply it to the requesting Web browser.

16 [00236] Also, an information server may contain, communicate, generate, obtain,
17 and/or provide program component, system, user, and/or data communications,
18 requests, and/or responses.

19 User Interface

20 [00237] Computer interfaces in some respects are similar to automobile operation
21 interfaces. Automobile operation interface elements such as steering wheels, gearshifts,
22 and speedometers facilitate the access, operation, and display of automobile resources,
23 and status. Computer interaction interface elements such as check boxes, cursors,

1 menus, scrollers, and windows (collectively and commonly referred to as widgets)
2 similarly facilitate the access, capabilities, operation, and display of data and computer
3 hardware and operating system resources, and status. Operation interfaces are
4 commonly called user interfaces. Graphical user interfaces (GUIs) such as the Apple
5 Macintosh Operating System's Aqua, IBM's OS/2, Microsoft's Windows
6 2000/2003/3. i/95/98/CE/Millennium/NT/XP/Vista/7 (i.e., Aero), Unix's X-Windows
7 (e.g., which may include additional Unix graphic interface libraries and layers such as K
8 Desktop Environment (KDE), mythTV and GNU Network Object Model Environment
9 (GNOME)), web interface libraries (e.g., ActiveX, AJAX, (D)HTML, FLASH, Java,
10 JavaScript, etc. interface libraries such as, but not limited to, Dojo, jQuery(UI),
11 MooTools, Prototype, script.aculo.us, SWFObject, Yahoo! User Interface, any of which
12 may be used and) provide a baseline and means of accessing and displaying information
13 graphically to users.

14 **[00238]** A user interface component 817 is a stored program component that is
15 executed by a CPU. The user interface may be a conventional graphic user interface as
16 provided by, with, and/or atop operating systems and/or operating environments such
17 as already discussed. The user interface may allow for the display, execution,
18 interaction, manipulation, and/or operation of program components and/or system
19 facilities through textual and/or graphical facilities. The user interface provides a facility
20 through which users may affect, interact, and/or operate a computer system. A user
21 interface may communicate to and/or with other components in a component
22 collection, including itself, and/or facilities of the like. Most frequently, the user
23 interface communicates with operating systems, other program components, and/or the
24 like. The user interface may contain, communicate, generate, obtain, and/or provide

1 program component, system, user, and/or data communications, requests, and/or
2 responses.

3 Web Browser

4 [00239] A Web browser component 818 is a stored program component that is
5 executed by a CPU. The Web browser may be a conventional hypertext viewing
6 application such as Microsoft Internet Explorer or Netscape Navigator. Secure Web
7 browsing may be supplied with 128bit (or greater) encryption by way of HTTPS, SSL,
8 and/or the like. Web browsers allowing for the execution of program components
9 through facilities such as ActiveX, AJAX, (D)HTML, FLASH, Java, JavaScript, web
10 browser plug-in APIs (e.g., FireFox, Safari Plug-in, and/or the like APIs), and/or the
11 like. Web browsers and like information access tools may be integrated into PDAs,
12 cellular telephones, and/or other mobile devices. A Web browser may communicate to
13 and/or with other components in a component collection, including itself, and/or
14 facilities of the like. Most frequently, the Web browser communicates with information
15 servers, operating systems, integrated program components (e.g., plug-ins), and/or the
16 like; e.g., it may contain, communicate, generate, obtain, and/or provide program
17 component, system, user, and/or data communications, requests, and/or responses.
18 Also, in place of a Web browser and information server, a combined application may be
19 developed to perform similar operations of both. The combined application would
20 similarly affect the obtaining and the provision of information to users, user agents,
21 and/or the like from the SFT PLATFORM enabled nodes. The combined application
22 may be nugatory on systems employing standard Web browsers.

Mail Server

1
2 **[00240]** A mail server component 821 is a stored program component that is
3 executed by a CPU 803. The mail server may be a conventional Internet mail server such
4 as, but not limited to sendmail, Microsoft Exchange, and/or the like. The mail server
5 may allow for the execution of program components through facilities such as ASP,
6 ActiveX, (ANSI) (Objective-) C (++), C# and/or .NET, CGI scripts, Java, JavaScript,
7 PERL, PHP, pipes, Python, WebObjects, and/or the like. The mail server may support
8 communications protocols such as, but not limited to: Internet message access protocol
9 (IMAP), Messaging Application Programming Interface (MAPI)/Microsoft Exchange,
10 post office protocol (POP3), simple mail transfer protocol (SMTP), and/or the like. The
11 mail server can route, forward, and process incoming and outgoing mail messages that
12 have been sent, relayed and/or otherwise traversing through and/or to the SFT
13 PLATFORM.

14 **[00241]** Access to the SFT PLATFORM mail may be achieved through a number of
15 APIs offered by the individual Web server components and/or the operating system.

16 **[00242]** Also, a mail server may contain, communicate, generate, obtain, and/or
17 provide program component, system, user, and/or data communications, requests,
18 information, and/or responses.

Mail Client

19
20 **[00243]** A mail client component 822 is a stored program component that is
21 executed by a CPU 803. The mail client may be a conventional mail viewing application
22 such as Apple Mail, Microsoft Entourage, Microsoft Outlook, Microsoft Outlook
23 Express, Mozilla, Thunderbird, and/or the like. Mail clients may support a number of

1 transfer protocols, such as: IMAP, Microsoft Exchange, POP3, SMTP, and/or the like. A
2 mail client may communicate to and/or with other components in a component
3 collection, including itself, and/or facilities of the like. Most frequently, the mail client
4 communicates with mail servers, operating systems, other mail clients, and/or the like;
5 e.g., it may contain, communicate, generate, obtain, and/or provide program
6 component, system, user, and/or data communications, requests, information, and/or
7 responses. Generally, the mail client provides a facility to compose and transmit
8 electronic mail messages.

9 **Cryptographic Server**

10 **[00244]** A cryptographic server component 820 is a stored program component
11 that is executed by a CPU 803, cryptographic processor 826, cryptographic processor
12 interface 827, cryptographic processor device 828, and/or the like. Cryptographic
13 processor interfaces will allow for expedition of encryption and/or decryption requests
14 by the cryptographic component; however, the cryptographic component, alternatively,
15 may run on a conventional CPU. The cryptographic component allows for the
16 encryption and/or decryption of provided data. The cryptographic component allows for
17 both symmetric and asymmetric (e.g., Pretty Good Protection (PGP)) encryption and/or
18 decryption. The cryptographic component may employ cryptographic techniques such
19 as, but not limited to: digital certificates (e.g., X.509 authentication framework), digital
20 signatures, dual signatures, enveloping, password access protection, public key
21 management, and/or the like. The cryptographic component will facilitate numerous
22 (encryption and/or decryption) security protocols such as, but not limited to: checksum,
23 Data Encryption Standard (DES), Elliptical Curve Encryption (ECC), International Data

1 Encryption Algorithm (IDEA), Message Digest 5 (MD5, which is a one way hash
2 operation), passwords, Rivest Cipher (RC5), Rijndael, RSA (which is an Internet
3 encryption and authentication system that uses an algorithm developed in 1977 by Ron
4 Rivest, Adi Shamir, and Leonard Adleman), Secure Hash Algorithm (SHA), Secure
5 Socket Layer (SSL), Secure Hypertext Transfer Protocol (HTTPS), and/or the like.
6 Employing such encryption security protocols, the SFT PLATFORM may encrypt all
7 incoming and/or outgoing communications and may serve as node within a virtual
8 private network (VPN) with a wider communications network. The cryptographic
9 component facilitates the process of "security authorization" whereby access to a
10 resource is inhibited by a security protocol wherein the cryptographic component effects
11 authorized access to the secured resource. In addition, the cryptographic component
12 may provide unique identifiers of content, e.g., employing and MD5 hash to obtain a
13 unique signature for an digital audio file. A cryptographic component may communicate
14 to and/or with other components in a component collection, including itself, and/or
15 facilities of the like. The cryptographic component supports encryption schemes
16 allowing for the secure transmission of information across a communications network
17 to enable the SFT PLATFORM component to engage in secure transactions if so desired.
18 The cryptographic component facilitates the secure accessing of resources on the SFT
19 PLATFORM and facilitates the access of secured resources on remote systems; i.e., it
20 may act as a client and/or server of secured resources. Most frequently, the
21 cryptographic component communicates with information servers, operating systems,
22 other program components, and/or the like. The cryptographic component may contain,
23 communicate, generate, obtain, and/or provide program component, system, user,
24 and/or data communications, requests, and/or responses.

The SFT PLATFORM Database

1
2 [00245] The SFT PLATFORM database component 819 may be embodied in a
3 database and its stored data. The database is a stored program component, which is
4 executed by the CPU; the stored program component portion configuring the CPU to
5 process the stored data. The database may be a conventional, fault tolerant, relational,
6 scalable, secure database such as Oracle or Sybase. Relational databases are an
7 extension of a flat file. Relational databases consist of a series of related tables. The
8 tables are interconnected via a key field. Use of the key field allows the combination of
9 the tables by indexing against the key field; i.e., the key fields act as dimensional pivot
10 points for combining information from various tables. Relationships generally identify
11 links maintained between tables by matching primary keys. Primary keys represent
12 fields that uniquely identify the rows of a table in a relational database. More precisely,
13 they uniquely identify rows of a table on the "one" side of a one-to-many relationship.

14 [00246] Alternatively, the SFT PLATFORM database may be implemented using
15 various standard data-structures, such as an array, hash, (linked) list, struct, structured
16 text file (e.g., XML), table, and/or the like. Such data-structures may be stored in
17 memory and/or in (structured) files. In another alternative, an object-oriented database
18 may be used, such as Frontier, ObjectStore, Poet, Zope, and/or the like. Object
19 databases can include a number of object collections that are grouped and/or linked
20 together by common attributes; they may be related to other object collections by some
21 common attributes. Object-oriented databases perform similarly to relational databases
22 with the exception that objects are not just pieces of data but may have other types of
23 capabilities encapsulated within a given object. If the SFT PLATFORM database is
24 implemented as a data-structure, the use of the SFT PLATFORM database 819 may be

1 integrated into another component such as the SFT PLATFORM component 835. Also,
2 the database may be implemented as a mix of data structures, objects, and relational
3 structures. Databases may be consolidated and/or distributed in countless variations
4 through standard data processing techniques. Portions of databases, e.g., tables, may be
5 exported and/or imported and thus decentralized and/or integrated.

6 [00247] In one embodiment, the database component 819 includes several tables
7 8i9a-i. A Users table 819a includes fields such as, but not limited to: a user_id,
8 user_accounts, name, mailing_address_street_name, mailing_address_city,
9 mailing_address_state, mailing_address_zipcode, email_address, phone_number,
10 card_number, user_profiles, and/or the like. The user table may support and/or track
11 multiple entity accounts on a SFT PLATFORM. A Data Sources table 819b includes
12 fields such as, but not limited to: source_id, source_info, source_location and/or the
13 like. An Accounts table 819c includes fields such as, but not limited to: account_id,
14 account_info, account_profile, account_value, PIN, password, security_question,
15 security_answer, card_status, account_status, card_number,
16 available_account_balance, actualbalance, expiration_date, bank_account_type,
17 funds_transfer_frequency, account_description, transfer_to_routing number,
18 transfer_to_account_number, account_fraud, account_upgrade_status,
19 account_notes, transaction_status, transaction_fee and/or the like. A Merchants table
20 8i9d includes fields such as, but not limited to: merchant_id, merchant_info,
21 merchant_name, merchant_location, merchant_address, merchant_phone_number,
22 merchant_profile, merchant_fee and/or the like. An Account Transaction table 8i9e
23 includes fields such as, but not limited to: transaction_id, transaction_source,
24 transaction_info, user_id, transaction_type, transaction_whitelist (e.g., whitelisted

1 transaction type, etc.), transactionjblacklist (e.g., blacklisted transaction type, etc.),
2 account_id, transaction_date, transaction_time, transaction_action,
3 transaction_action_by, transaction_description, transaction_status,
4 transaction_dispute and/or the like. A Funding Source table 8i9f includes fields such
5 as, but not limited to: funding_id, funding_info, funding_source,
6 funding_source_name, funding_source_location, funding_deposit_type,
7 funding_schedule, funding_frequency, funding_date, funding_value, funding_amount,
8 funding_restriction, and/or the like. A Banks table 8i9g includes fields such as, but not
9 limited to: bank_name, bank_id, bank_profile, bank_routing, bank_state, bank_info,
10 bank_note, bank_action, bank_status, routing_number, account_number, and/or the
11 like. A healthcare provider table 8i9i includes fields such as, but not limited to:
12 HealthcareProviderID, HealthcareProviderName, HealthcareProviderAddress,
13 HealthcareProviderInsured, HealthcareProviderUserID, HealthcareProviderCode,
14 and/or the like. An insurance provider table 8i9j includes fields such as, but not
15 limited to: InsuranceProviderID, InsurancePlan, InsuranceNetwork, InsuranceUserID,
16 InsuranceTransaction, and/or the like.

17 **[00248]** In one embodiment, the SFT PLATFORM database may interact with
18 other database systems. For example, employing a distributed database system, queries
19 and data access by search SFT PLATFORM component may treat the combination of the
20 SFT PLATFORM database, an integrated data security layer database as a single
21 database entity.

22 **[00249]** In one embodiment, user programs may contain various user interface
23 primitives, which may serve to update the SFT PLATFORM. Also, various accounts may

1 require custom database tables depending upon the environments and the types of
2 clients the SFT PLATFORM may need to serve. It should be noted that any unique fields
3 may be designated as a key field throughout. In an alternative embodiment, these tables
4 have been decentralized into their own databases and their respective database
5 controllers (i.e., individual database controllers for each of the above tables). Employing
6 standard data processing techniques, one may further distribute the databases over
7 several computer systemizations and/or storage devices. Similarly, configurations of the
8 decentralized database controllers may be varied by consolidating and/or distributing
9 the various database components 8i9a-i. The SFT PLATFORM may be configured to
10 keep track of various settings, inputs, and parameters via database controllers.

11 [0 0 2 5 0] The SFT PLATFORM database may communicate to and/or with other
12 components in a component collection, including itself, and/or facilities of the like.
13 Most frequently, the SFT PLATFORM database communicates with the SFT
14 PLATFORM component, other program components, and/or the like. The database may
15 contain, retain, and provide information regarding other nodes and data.

16 The SFT PLATFORMS

17 [0 0 2 5 1] The SFT PLATFORM component 835 is a stored program component that
18 is executed by a CPU. In one embodiment, the SFT PLATFORM component
19 incorporates any and/or all combinations of the aspects of the SFT PLATFORM that was
20 discussed in the previous figures. As such, the SFT PLATFORM affects accessing,
21 obtaining and the provision of information, services, transactions, and/or the like across
22 various communications networks.

23 [0 0 2 5 2] The SFT PLATFORM transforms user account information, fund transfer

1 configuration inputs via SFT PLATFORM components, such as user registration 843,
2 fund transfer scheduling 844, fund transfer trigger 845, transaction authorization 846,
3 and/or the like into fund transfer transaction record and fund transfer to a transfer-to
4 account.

5 **[00253]** The SFT PLATFORM component facilitates access of information between
6 nodes may be developed by employing standard development tools and languages such
7 as, but not limited to: Apache components, Assembly, ActiveX, binary executables,
8 (ANSI) (Objective-) C (++), C# and/or .NET, database adapters, CGI scripts, Java,
9 JavaScript, mapping tools, procedural and object oriented development tools, PERL,
10 PHP, Python, shell scripts, SQL commands, web application server extensions, web
11 development environments and libraries (e.g., Microsoft's ActiveX; Adobe AIR, FLEX &
12 FLASH; AJAX; (D)HTML; Dojo, Java; JavaScript; jQuery(UI); MooTools; Prototype;
13 script.aculo.us; Simple Object Access Protocol (SOAP); SWFObject; Yahoo! User
14 Interface; and/or the like), WebObjects, and/or the like. In one embodiment, the SFT
15 PLATFORM server employs a cryptographic server to encrypt and decrypt
16 communications. The SFT PLATFORM component may communicate to and/or with
17 other components in a component collection, including itself, and/or facilities of the
18 like. Most frequently, the SFT PLATFORM component communicates with the SFT
19 PLATFORM database, operating systems, other program components, and/or the like.
20 The SFT PLATFORM may contain, communicate, generate, obtain, and/or provide
21 program component, system, user, and/or data communications, requests, and/or
22 responses.

1 [00254] The structure and/or operation of any of the SFT PLATFORM node
2 controller components may be combined, consolidated, and/or distributed in any
3 number of ways to facilitate development and/or deployment. Similarly, the component
4 collection may be combined in any number of ways to facilitate deployment and/or
5 development. To accomplish this, one may integrate the components into a common
6 code base or in a facility that can dynamically load the components on demand in an
7 integrated fashion.

8 [00255] The component collection may be consolidated and/or distributed in
9 countless variations through standard data processing and/or development techniques.
10 Multiple instances of any one of the program components in the program component
11 collection may be instantiated on a single node, and/or across numerous nodes to
12 improve performance through load-balancing and/or data-processing techniques.
13 Furthermore, single instances may also be distributed across multiple controllers
14 and/or storage devices; e.g., databases. All program component instances and
15 controllers working in concert may do so through standard data processing
16 communication techniques.

17 [00256] The configuration of the SFT PLATFORM controller will depend on the
18 context of system deployment. Factors such as, but not limited to, the budget, capacity,
19 location, and/or use of the underlying hardware resources may affect deployment
20 requirements and configuration. Regardless of if the configuration results in more
21 consolidated and/or integrated program components, results in a more distributed
22 series of program components, and/or results in some combination between a
23 consolidated and distributed configuration, data may be communicated, obtained,

1 and/or provided. Instances of components consolidated into a common code base from
2 the program component collection may communicate, obtain, and/or provide data. This
3 may be accomplished through intra-application data processing communication
4 techniques such as, but not limited to: data referencing (e.g., pointers), internal
5 messaging, object instance variable communication, shared memory space, variable
6 passing, and/or the like.

7 [00257] If component collection components are discrete, separate, and/or
8 external to one another, then communicating, obtaining, and/or providing data with
9 and/or to other component components may be accomplished through inter-application
10 data processing communication techniques such as, but not limited to: Application
11 Program Interfaces (API) information passage; (distributed) Component Object Model
12 ((D)COM), (Distributed) Object Linking and Embedding ((D)OLE), and/or the like),
13 Common Object Request Broker Architecture (CORBA), Jini local and remote
14 application program interfaces, JavaScript Object Notation (JSON), Remote Method
15 Invocation (RMI), SOAP, process pipes, shared files, and/or the like. Messages sent
16 between discrete component components for inter-application communication or within
17 memory spaces of a singular component for intra-application communication may be
18 facilitated through the creation and parsing of a grammar. A grammar may be
19 developed by using development tools such as lex, yacc, XML, and/or the like, which
20 allow for grammar generation and parsing capabilities, which in turn may form the basis
21 of communication messages within and between components.

22 [00258] For example, a grammar may be arranged to recognize the tokens of an
23 HTTP post command, e.g.:

w3c -post http : / / . . . Valuel

3 [00259] where Value_i is discerned as being a parameter because "http://" is part of
4 the grammar syntax, and what follows is considered part of the post value. Similarly,
5 with such a grammar, a variable "Value_i" may be inserted into an "http://" post
6 command and then sent. The grammar syntax itself may be presented as structured data
7 that is interpreted and/or otherwise used to generate the parsing mechanism (e.g., a
8 syntax description text file as processed by lex, yacc, etc.). Also, once the parsing
9 mechanism is generated and/or instantiated, it itself may process and/or parse
10 structured data such as, but not limited to: character (e.g., tab) delineated text, HTML,
11 structured text streams, XML, and/or the like structured data. In another embodiment,
12 inter-application data processing protocols themselves may have integrated and/or
13 readily available parsers (e.g., JSON, SOAP, and/or like parsers) that may be employed
14 to parse (e.g., communications) data. Further, the parsing grammar may be used
15 beyond message parsing, but may also be used to parse: databases, data collections, data
16 stores, structured data, and/or the like. Again, the desired configuration will depend
17 upon the context, environment, and requirements of system deployment.

18 [00260] For example, in some implementations, the SFT PLATFORM controller
19 may be executing a PHP script implementing a Secure Sockets Layer ("SSL") socket
20 server via the information server, which listens to incoming communications on a
21 server port to which a client may send data, e.g., data encoded in JSON format. Upon
22 identifying an incoming communication, the PHP script may read the incoming message
23 from the client device, parse the received JSON-encoded text data to extract information
24 from the JSON-encoded text data into PHP script variables, and store the data (e.g.,
25 client identifying information, etc.) and/or extracted information in a relational

1 database accessible using the Structured Query Language ("SQL"). An exemplary
 2 listing, written substantially in the form of PHP/SQL commands, to accept JSON-
 3 encoded input data from a client device via a SSL connection, parse the data to extract
 4 variables, and store the data to a database, is provided below:

```

5  <?PHP
6  header ('Content-Type : text/plain');
7
8  // set ip address and port to listen to for incoming data
9  $address = '192.168.0.100';
10 $port = 255;
11
12 // create a server-side SSL socket, listen for/accept incoming communication
13 $sock = socket_create (AF_INET, SOCK_STREAM, 0);
14 socket_bind ($sock, $address, $port) or die ('Could not bind to address');
15 socket_listen ($sock);
16 $client = socket_accept ($sock);
17
18 // read input data from client device in 1024 byte blocks until end of message
19 do {
20     $input = "";
21     $input = socket_read ($client, 1024);
22     $data .= $input;
23 } while($input != "");
24
25 // parse data to extract variables
26 $obj = json_decode ($data, true);
27
28 // store input data in a database
29 mysql_connect ("201.408.185.132", $DBserver, $password); // access database server
30 mysql_select ("CLIENT_DB .SQL"); // select database to append
31 mysql_query ("INSERT INTO UserTable (transmission)
32 VALUES ($data)"); // add data to UserTable table in a CLIENT database
33 mysql_close ("CLIENT_DB. SQL"); // close connection to database
34 ?>
35

```

36 **[00261]** Also, the following resources may be used to provide example
 37 embodiments regarding SOAP parser implementation:

```

38 http://www.xav.com/perl/site/lib/SOAP/Parser.html
39 http://publib.boulder.ibm.com/infocenter/tivi help/v2rl/index.jsp?topic=/com.ibm
40 .IBMDI.doc/referenceguide295.htm
41

```

42 **[00262]** and other parser implementations:

```

43 http://publib.boulder.ibm.com/infocenter/tivi help/v2rl/index.jsp?topic=/com.ibm
44 .IBMDI.doc/referenceguide259.htm
45

```

46 **[00263]** all of which are hereby expressly incorporated by reference.

47 **[00264]** In order to address various issues and advance the art, the entirety of this

1 application for SCHEDULED FUNDS TRANSFER PLATFORM APPARATUSES,
2 METHODS AND SYSTEMS (including the Cover Page, Title, Headings, Field,
3 Background, Summary, Brief Description of the Drawings, Detailed Description, Claims,
4 Abstract, Figures, Appendices, and otherwise) shows, by way of illustration, various
5 embodiments in which the claimed innovations may be practiced. The advantages and
6 features of the application are of a representative sample of embodiments only, and are
7 not exhaustive and/or exclusive. They are presented only to assist in understanding and
8 teach the claimed principles. It should be understood that they are not representative of
9 all claimed innovations. As such, certain aspects of the disclosure have not been
10 discussed herein. That alternate embodiments may not have been presented for a
11 specific portion of the innovations or that further undescribed alternate embodiments
12 may be available for a portion is not to be considered a disclaimer of those alternate
13 embodiments. It will be appreciated that many of those undescribed embodiments
14 incorporate the same principles of the innovations and others are equivalent. Thus, it is
15 to be understood that other embodiments may be utilized and functional, logical,
16 operational, organizational, structural ad/or topological modifications may be made
17 without departing from the scope and/or spirit of the disclosure. As such, all examples
18 and/or embodiments are deemed to be non-limiting throughout this disclosure. Also, no
19 inference should be drawn regarding those embodiments discussed herein relative to
20 those not discussed herein other than it is as such for purposes of reducing space and
21 repetition. For instance, it is to be understood that the logical and/or topological
22 structure of any combination of any program components (a component collection),
23 other components and/or any present feature sets as described in the figures and/or
24 throughout are not limited to a fixed operating order and/or arrangement, but rather,

1 any disclosed order is exemplary and all equivalents, regardless of order, are
2 contemplated by the disclosure. Furthermore, it is to be understood that such features
3 are not limited to serial execution, but rather, any number of threads, processes,
4 services, servers, and/or the like that may execute asynchronously, concurrently, in
5 parallel, simultaneously, synchronously, and/or the like are contemplated by the
6 disclosure. As such, some of these features may be mutually contradictory, in that they
7 cannot be simultaneously present in a single embodiment. Similarly, some features are
8 applicable to one aspect of the innovations, and inapplicable to others. In addition, the
9 disclosure includes other innovations not presently claimed. Applicant reserves all
10 rights in those presently unclaimed innovations including the right to claim such
11 innovations, file additional applications, continuations, continuations in part, divisions,
12 and/or the like thereof. As such, it should be understood that advantages, embodiments,
13 examples, functional, features, logical, operational, organizational, structural,
14 topological, and/or other aspects of the disclosure are not to be considered limitations
15 on the disclosure as defined by the claims or limitations on equivalents to the claims. It
16 is to be understood that, depending on the particular needs and/or characteristics of a
17 SFT PLATFORM individual and/or enterprise user, database configuration and/or
18 relational model, data type, data transmission and/or network framework, syntax
19 structure, and/or the like, various embodiments of the SFT PLATFORM, may be
20 implemented that facilitates a great deal of flexibility and customization. While various
21 embodiments and discussions of the SFT PLATFORM have been directed to social
22 networks, however, it is to be understood that the embodiments described herein may
23 be readily configured and/or customized for a wide variety of other applications and/or
24 implementations.

CLAI MS

What is claimed is:

1. A processor-implemented fund transfer scheduling method, comprising:
 - receiving a fund transfer scheduling request and fund transfer configuration parameters from a user,
 - said fund transfer configuration parameters including a fund transfer trigger condition, a fund transferor's account and a fund transferee's account;
 - verifying eligibility of the fund transfer scheduling request based on the fund transfer configuration parameters;
 - determining the fund transfer trigger condition occurs;
 - initiating a fund transfer transaction from the fund transferor's account to the fund transferee's account; and
 - generating a fund transfer transaction record based on the initiated fund transfer transaction.
2. The method of claim 1, wherein the user is a cardholder.
3. The method of claim 1, wherein the fund transfer trigger condition includes fund loading into the fund transferor's account.
4. The method of claim 1, wherein the fund transferor's account is a prepaid account.
5. The method of claim 1, wherein the fund transferor's account comprises

1 any of a prepaid credit card and a prepaid debit card.

2

3 6. The method of claim 1, wherein the fund transferor's account is one of a
4 checking account and a savings account.

5

6 7. The method of claim 1, wherein fund transfer configuration parameters
7 further include a type of the fund transfer.

8

9 8. The method of claim 7, wherein the fund transfer is a one-time scheduled
10 fund transfer.

11

12 9. The method of claim 7, wherein the fund transfer is a recurring fund
13 transfer.

14

15 10. The method of claim 1, wherein the fund transfer configuration
16 parameters further comprises a fund transfer amount.

17

18 11. The method of claim 1, wherein verifying eligibility comprises:
19 determining whether a fund transfer amount exceeds fund availability in
20 the transferor's account.

21

22 12. The method of claim 1, wherein verifying eligibility comprises:
23 determining whether a transferee's account is valid.

24

1 13. The method of claim 1, further comprising:

2 generating an error message when the fun transfer scheduling request is invalid.

3
4 14. The method of claim 1, further comprising:

5 generating an ACH credit to the transferee's account; and

6 debiting the transferor's account.

7
8 15. The method of claim 1, further comprising:

9 incrementing a count for ACH records process billing code to record the fund
10 transfer transaction.

11
12 16. The method of claim 1, further comprising:

13 adding a note in the transferor's account history indicating the fund transfer
14 transaction.

15
16 17. The method of claim 1, further comprising:

17 sending a funds transfer requested email to an email address in the user's profile.

18
19 18. The method of claim 1, wherein the fund transfer transaction record is in a
20 format compliant with an ACH file.

21
22 19. The method of claim 1, wherein the fund transfer request comprises a
23 payment for a scheduled medical procedure.

1 20. The method of claim 19, further comprising:

2 receiving information with regard to a scheduled medical procedure including an
3 estimate of an payment amount.

4
5 21. The method of claim 19, further comprising:

6 retrieve a previously stored prepaid authorization record related to the received
7 patient medical treatment information; and

8 verifying the received medical payment request with the previously stored
9 prepaid authorization record.

10
11 22. The method of claim 21, wherein the verification is performed by a third
12 party.

13
14 23. The method of claim 22, wherein the third party is a healthcare insurance
15 carrier.

16
17 24. The method of claim 19, further comprising: authorizing a verified prepaid
18 amount payment from an insurance provider to the healthcare provider.

19
20 25. A processor-implemented fund transfer scheduling method, comprising:

21 receiving account data associated with a prepaid cardholder;

22 validating the account data;

23 processing financial requirements associated with the account data and
24 cardholder;

1 processing transactional requirements associated with the account data and
2 cardholder;

3 processing jurisdiction requirements associated with the account data and
4 cardholder;

5 processing regulatory requirements associated with the account data and
6 cardholder;

7 determining funds transfer allowance from the processed account data;

8 receiving data associated with a transfer-to account, wherein the transfer-to
9 account may be a checking or savings account;

10 validating transfer-to account data;

11 determining a funds transfer and funds transfer type, wherein funds transfer
12 type may be one-time or recurring; and

13 processing the funds transfer.

14

15 26. A scheduled funds transfer apparatus, comprising:

16 a memory;

17 a processor disposed in communication with said memory, and configured to
18 issue a plurality of processing instructions stored in the memory, wherein the process
19 issues instructions to:

20 receive a fund transfer scheduling request and fund transfer configuration
21 parameters from a user,

22 said fund transfer configuration parameters including a fund
23 transfer trigger condition, a fund transferor's account and a fund transferee's account;

24 verify eligibility of the fund transfer scheduling request based on the fund

1 transfer configuration parameters;
2 determine the fund transfer trigger condition occurs;
3 initiate a fund transfer transaction from the fund transferor's account to
4 the fund transferee's account; and
5 generate a fund transfer transaction record based on the initiated fund
6 transfer transaction.

7

8 27. A processor-readable medium storing processor-issuable instructions to:
9 receive a fund transfer scheduling request and fund transfer configuration
10 parameters from a user,
11 said fund transfer configuration parameters including a fund
12 transfer trigger condition, a fund transferor's account and a fund transferee's account;
13 verify eligibility of the fund transfer scheduling request based on the fund
14 transfer configuration parameters;
15 determine the fund transfer trigger condition occurs;
16 initiate a fund transfer transaction from the fund transferor's account to
17 the fund transferee's account; and
18 generate a fund transfer transaction record based on the initiated fund
19 transfer transaction.

20

FIGURE 1A

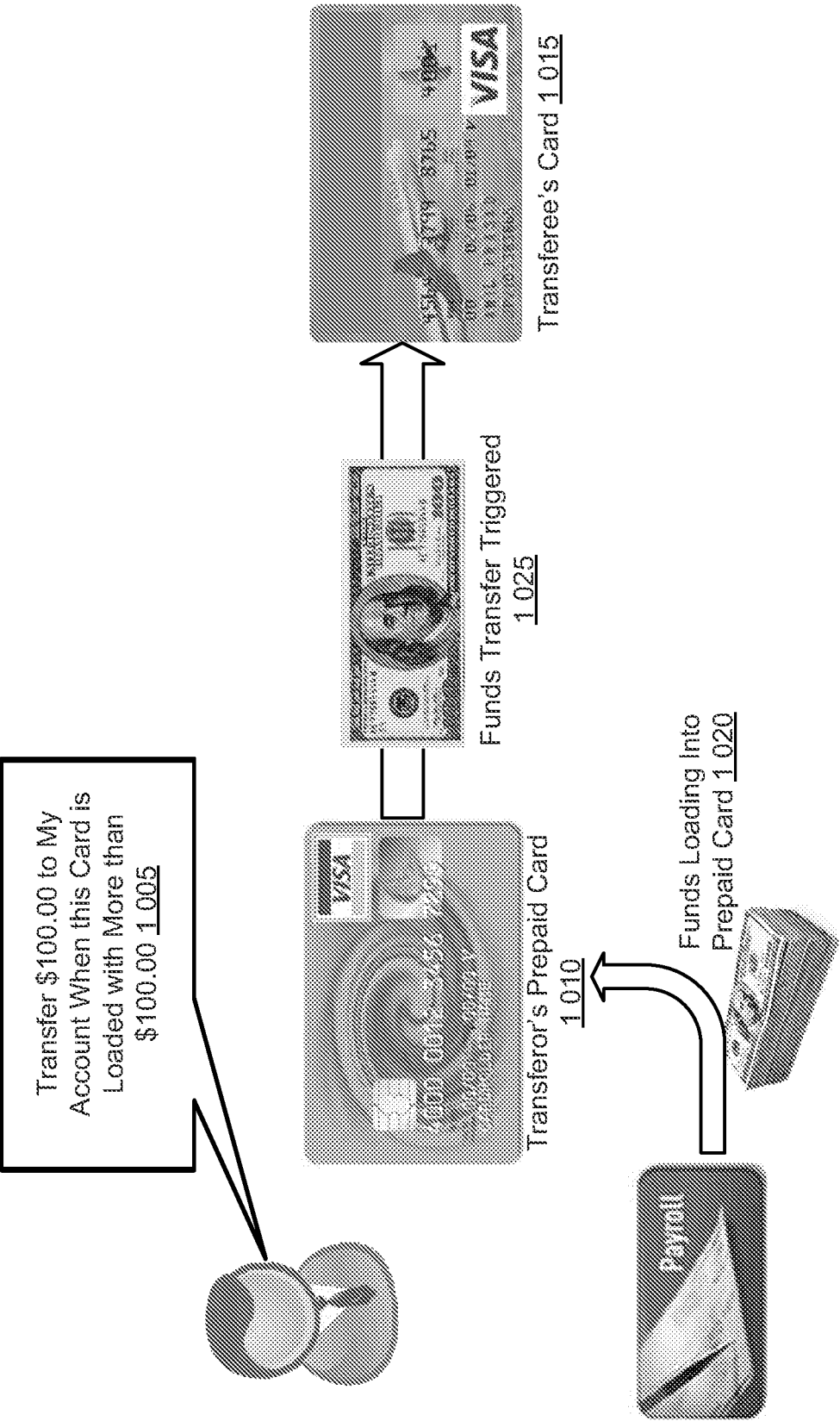
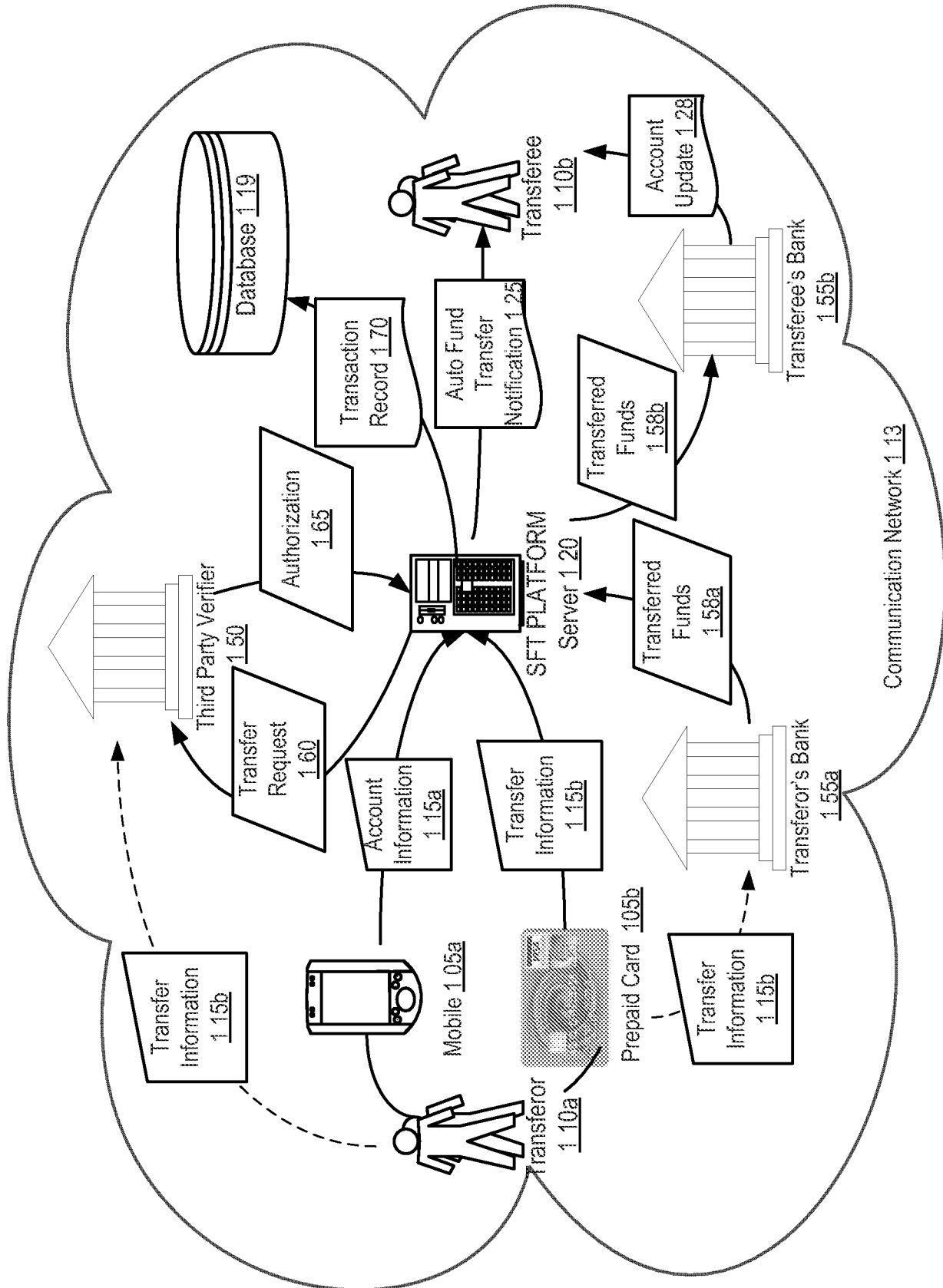


FIGURE 1B



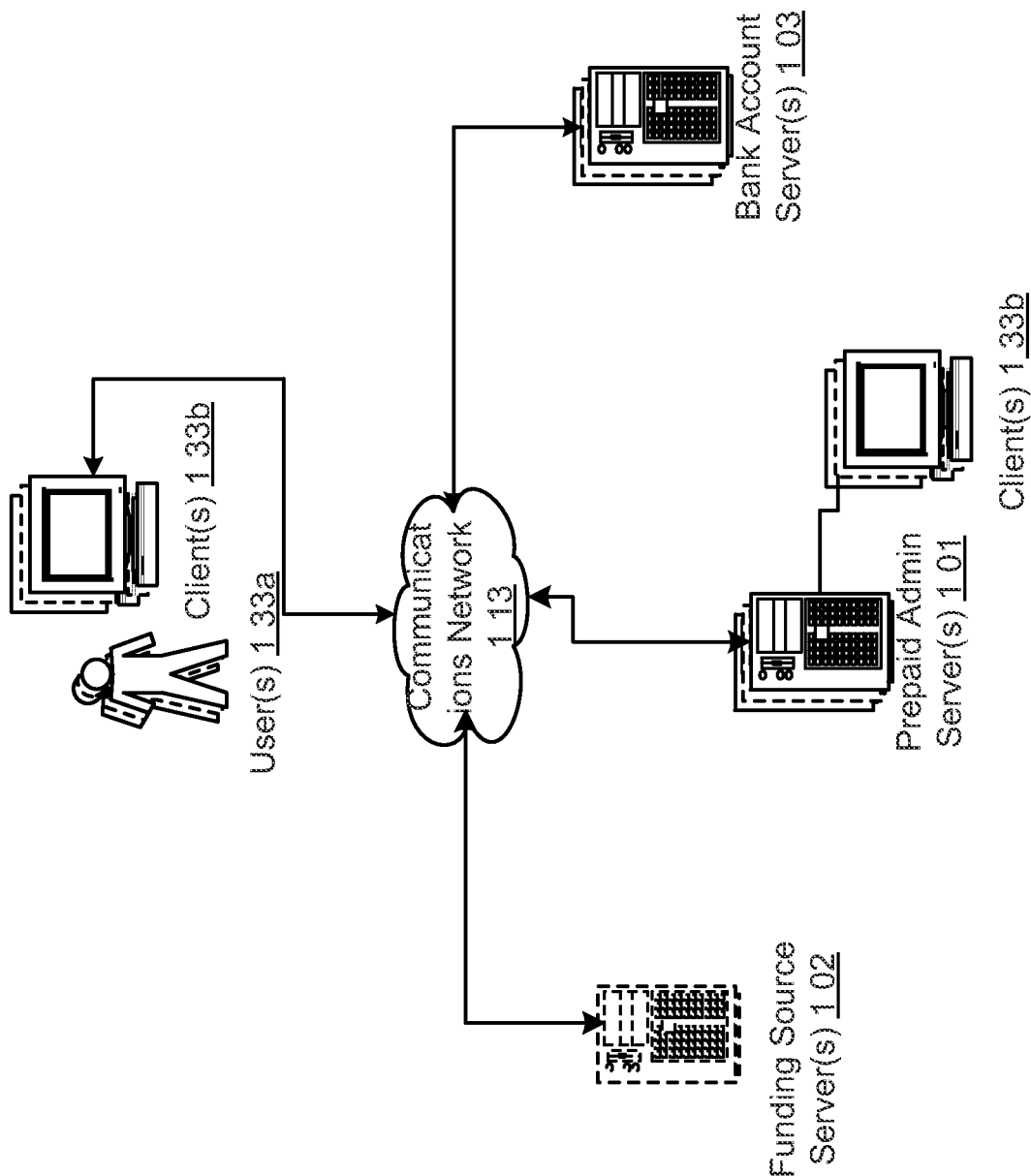


FIGURE 1C

FIGURE 2

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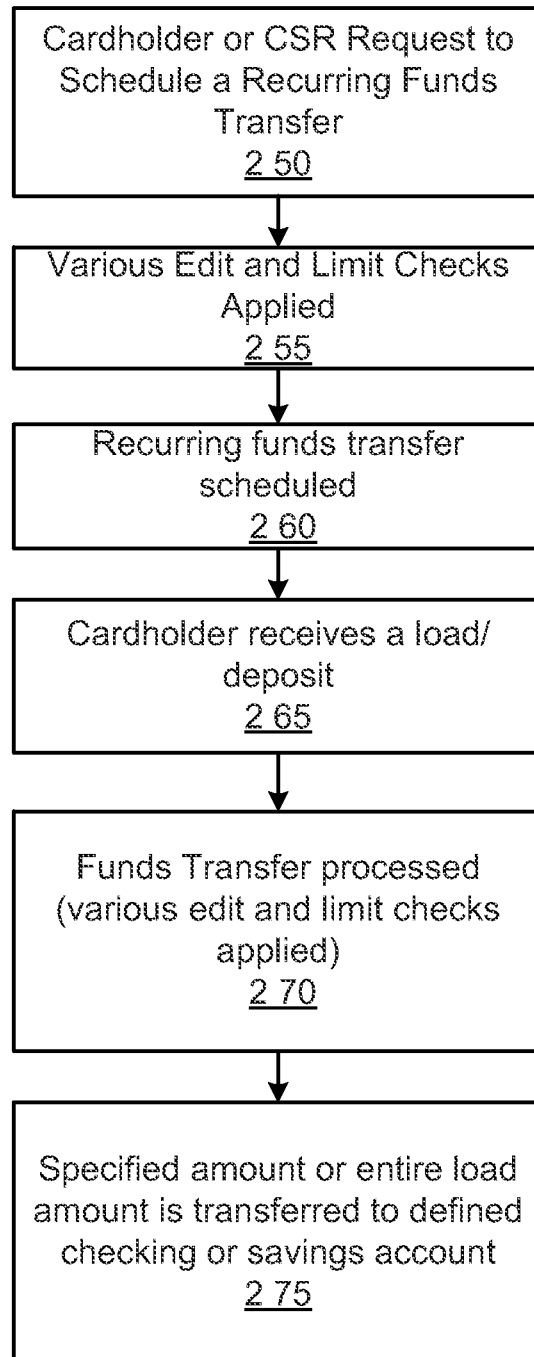
Block Diagram of Overall SFT Platform 2 00

FIGURE 3

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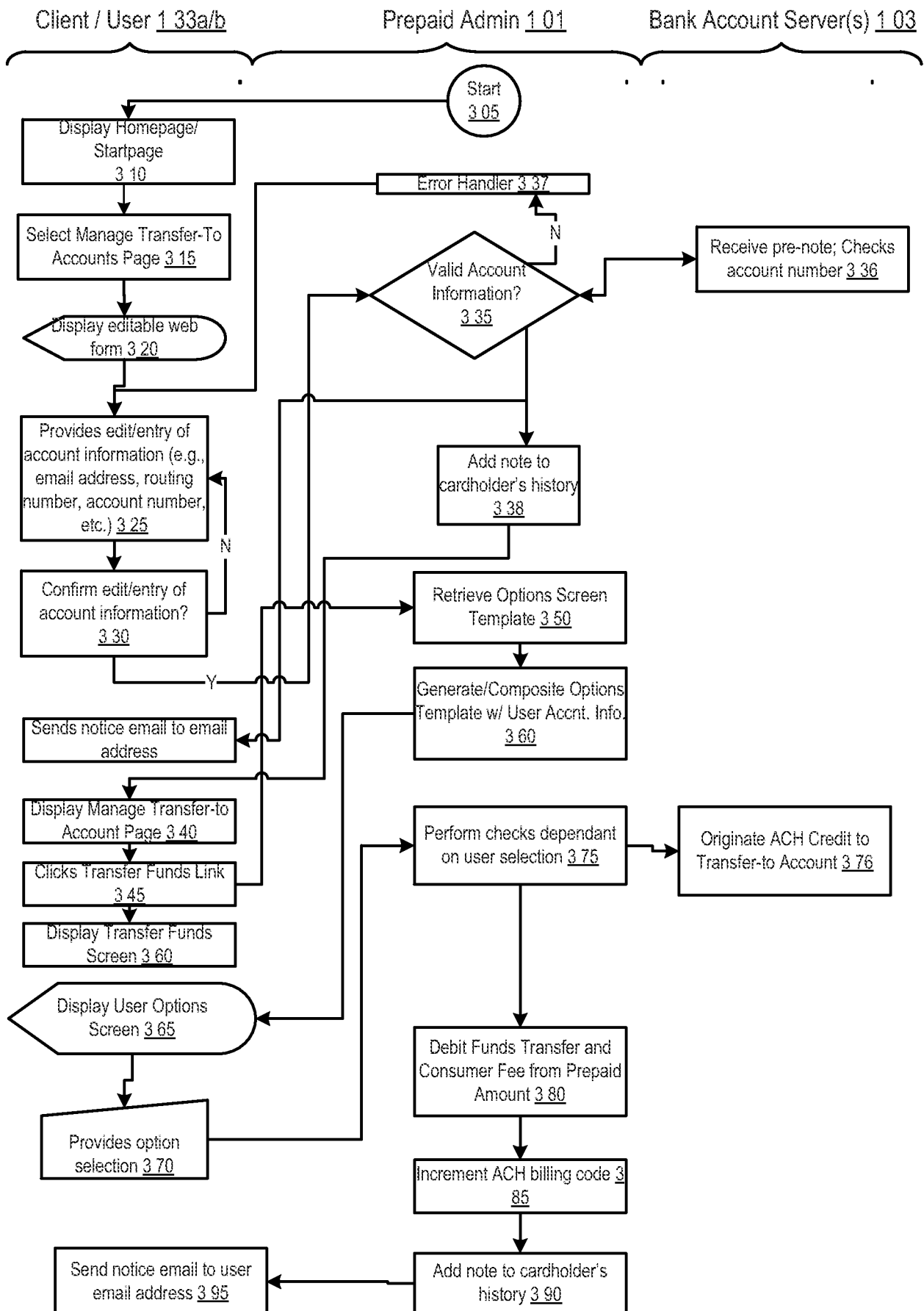


FIGURE 4

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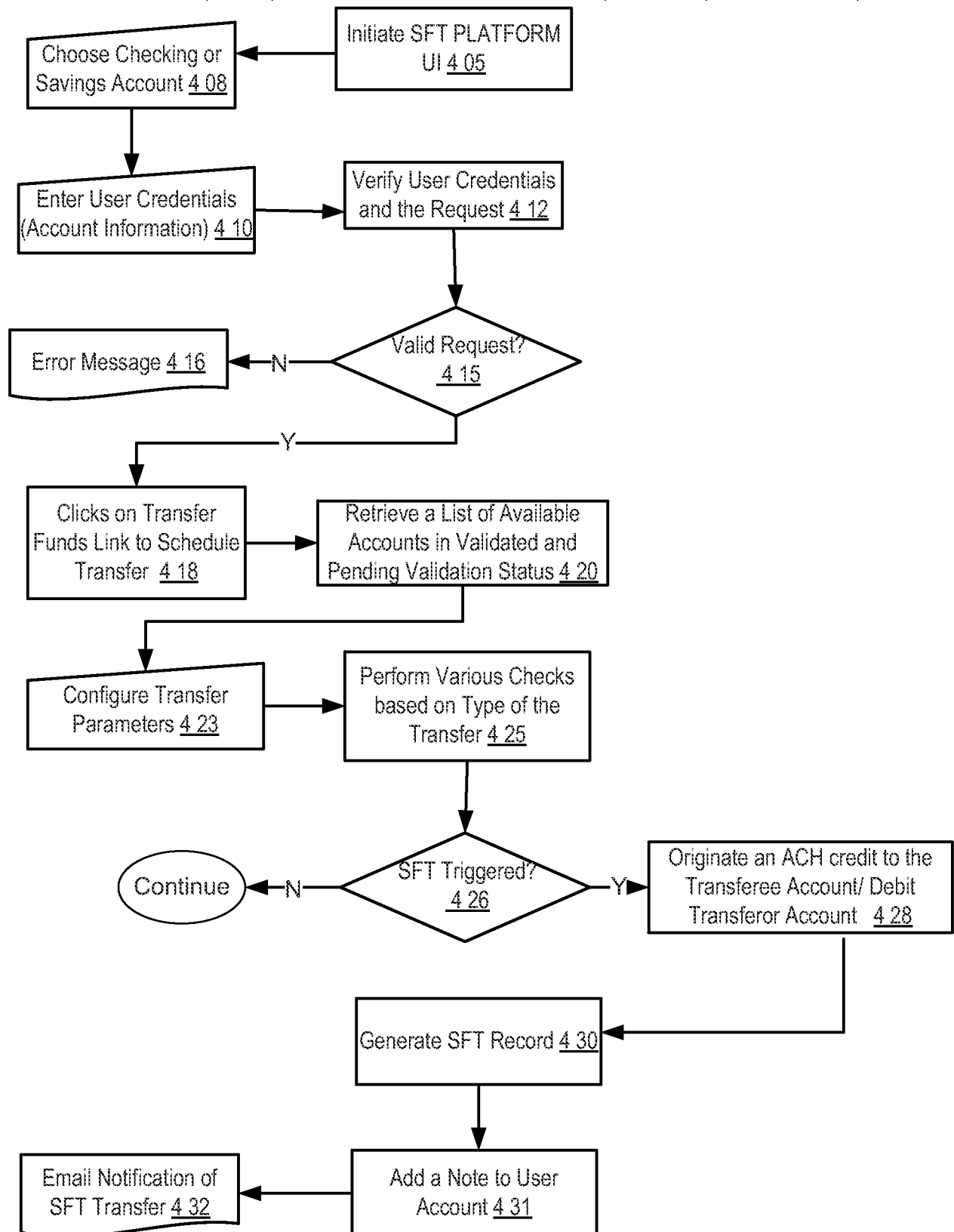
Client / User 1 33a/bPrepaid Admin 1 01Bank Account Server(s) 1 03

FIGURE 5A

Sample FI Payroll Card Program		Home Contact Us FAQs Sign Out
---------------------------------------	--	---

Add Transfer-To Account

You can find your routing and account number on checks issued by the financial institution with which you have your checking account.

*Routing Number:

*Confirm Routing Number:

*Account Number:

*Confirm Account Number:

A sample check from "ABC BANK" dated "12/15/10". The routing number is "123456789" and the account number is "987654321".

Routing Number Account Number

Email Information

<You will receive email notifications of your funds transfer, please validate your email address before changes to this email address without effecting your transfers.>

*Email Address: Example: name@email.com

*Confirm Email Address:

Fields and Section

Custom Content Section

- Account Summary
 - Balance / Transaction History
 - Statements
 - Transfer Funds
 - Scheduled Transfers
 - Bill Pay
 - Dispute Transaction
 - Update Profile
 - Profile
 - Create PIN
 - Change PIN
 - Forgot PIN
 - Change Password
 - Suspend Card
 - Reactivate Card
 - Close Account
 - Manage Transfer To Accounts
 - Text Messages
- Joint Accounts
 - Order Card
 - Close Card
 - Sign Out

Add a Checking Transfer-to-Account

BERKELEY

Sample FI Payroll Card Program

Name | Contact Us | FAQs | Sign Out

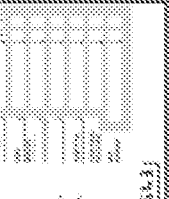
<System Message>

Add Transfer-To Account

Savings Account Information

You can find your routing and account number on deposit slips issued by the financial institution with which you have your savings account.

*Routing Number:	
*Confirm Routing Number:	
*Account Number:	
*Confirm Account Number:	



Routing Number Account Number

Email Information

You will receive email notifications of your funds transfer, please validate your email address below. Changes to this Email address will be reflected in your profile.

*Email Address: Example: name@email.com

*Confirm Email Address:

[BACK] [CANCEL] [SUBMIT]

Account Info Fields and Sections

Email Content Section

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Sample FI Payroll Card Program

[Home](#) | [Contact Us](#) | [FAQs](#) | [Sign Out](#)

Transfer Funds Content Section

<System Message>

Transfer Funds

Transfer Funds Information

<Allow one business day for transfer to occur. Your recurring transfer will start with your next deposit.>

*Set Frequency of Schedule:

☒ One-Time Immediate Transfer

Amount: \$ Between <\$100> and <\$500>

☐ Recurring Transfer for Specified Amount After Each Deposit Occurs

Amount: \$ Between <\$100> and <\$500>

☐ Recurring Transfer for Entire Deposit After Each Deposit Occurs

Amount: Deposit Amount

*Transfer To:

Checking Account ending in 1234 ▼

Account Summary

- Balance / Transaction History
- Statements
- Transfer Funds
- Scheduled Transfer
- Bill Pay
- Dispute Transaction
- Update Profile

Profile

- Create PIN
- Change PIN
- Forgot PIN
- Change Password
- Suspend Card
- Reactivate Card
- Close Account
- Manage Transfer To

[BACK](#)

[CANCEL](#)

[CONTINUE](#)

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DESIGNER

Program Documents		Home	Help	Sign out
-------------------	--	------	------	----------

Your Financial Institution Payroll Card

> Search for ...	> Card Sales	> Work Queues	> Manage Program	> Reports	> Risk Management
----------------------------	------------------------	-------------------------	----------------------------	---------------------	-----------------------------

Transfer Funds

Home > Search for Cardholder > Transfer Funds

<<Room for system messages>

Cardholder Information	
Card Number:	4300 23XX XXXX 2200 Name: BRAD POTTER

Account Information	
Available Balance:	\$1,450.00
Actual Balance:	\$1,560.00
Card Status:	Active
Expiration Date:	01/06

Transfer Funds Information	
Their recurring transfer will start with their next deposit.	
*Set Frequency Schedule:	
☐ One-Time Immediate Transfer	
Amount: \$	Between <\$100> and <\$800>
☐ Recurring Transfer for Specified Amount After Each Deposit Occurs	
Amount: \$	Between <\$100> and <\$800>
☐ Recurring Transfer for Specified Amount After Each Deposit Occurs	
Amount: Deposit Amount	
*Transfer To:	
	Checking Account ending in 1234

FIGURE 5E

Sample FI Payroll Card Program

Home | Contact Us | FAQs | Sign Out

Account Summary

- Balance / Transaction History
- Statements
- Transfer Funds
- Scheduled Transfer
- Bill Pay
- Dispute Transaction
- Update Profile
- Profile
 - Create PIN
 - Change PIN

<System Message>

Confirm Transfer Funds

Transfer Details

Once the transfer is submitted, it cannot be cancelled. Are you sure you want to proceed?

Amount: \$250

Transfer To: Checking Account ending in 1234

! A Transfer Fee of <\$1.50> will be charged to your Prepaid Card each time a transfer occurs.>

BACK

CANCEL

TRANSFER FUNDS

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Confirmation Content Section

Confirm Transfer Funds – One Time Immediate Transfer

5E3RG1



Confirm Transfer Funds – Recurring Transfer

FIGURE 5

Your Financial Institution Payroll Card		Program Documents > Home > Help > Sign out
> Search For ... > Card Sales > Work Queues > Manage Program > Reports > Risk Management		
Transfer Funds Home > Search for Cardholder > Transfer Funds		
Account Information - Upgrade Status - Account History - Card Order History - Funding History - Scheduled Funding - Scheduled Transfer - Funding Accounts - Transfer To Accounts - Fee Schedule - Statements - Notes	Cardholder Information Card Number: 4300 23XX XXXX 2200 Name: BRAD POTTER Account Information Available Balance: \$1,450.00 Card Status: Active Actual Balance: \$1,500.00 Expiration Date: 01/06 Transfer Fund Information Their recurring transfer will start with their next deposit. *Set Frequency Schedule: ☒ One-Time Immediate Transfer Amount: \$ 200.00 Between <\$100> and <\$500> ☐ Recurring Transfer for Specified Amount After Each Deposit Occurs Amount: \$ Between <\$100> and <\$500> ☐ Recurring Transfer for Specified Amount After Each Deposit Occurs Amount: Deposit Amount *Transfer To: Checking Account ending in 1234 Funds Transfer Fee: \$0.00 Wave	
Transfers - Posted - Pending - Denied		

PAS Transfer Funds After Continue Button Clicked

FIGURE 5H

Sample FI Payroll Card Program

Home | Contact Us | FAQs | Sign Out

Account Summary

- Balance / Transaction History
- Statements
- Transfer Funds
- Scheduled Transfer
- Bill Pay
- Dispute Transaction
- Update Profile

Profile

- Create PIN
- Change PIN
- Forgot PIN

<System Message>

Confirm Account Deletion

Are you sure you want to delete this account?

Deleting this account will also delete any scheduled recurring funds transfers.

Scheduled Transfer Details

Account Type	When	Amount	To Routing Number	To Account Number
Savings	After Each Deposit Occurs	\$200.00	123456789	XXXXXXXX7890

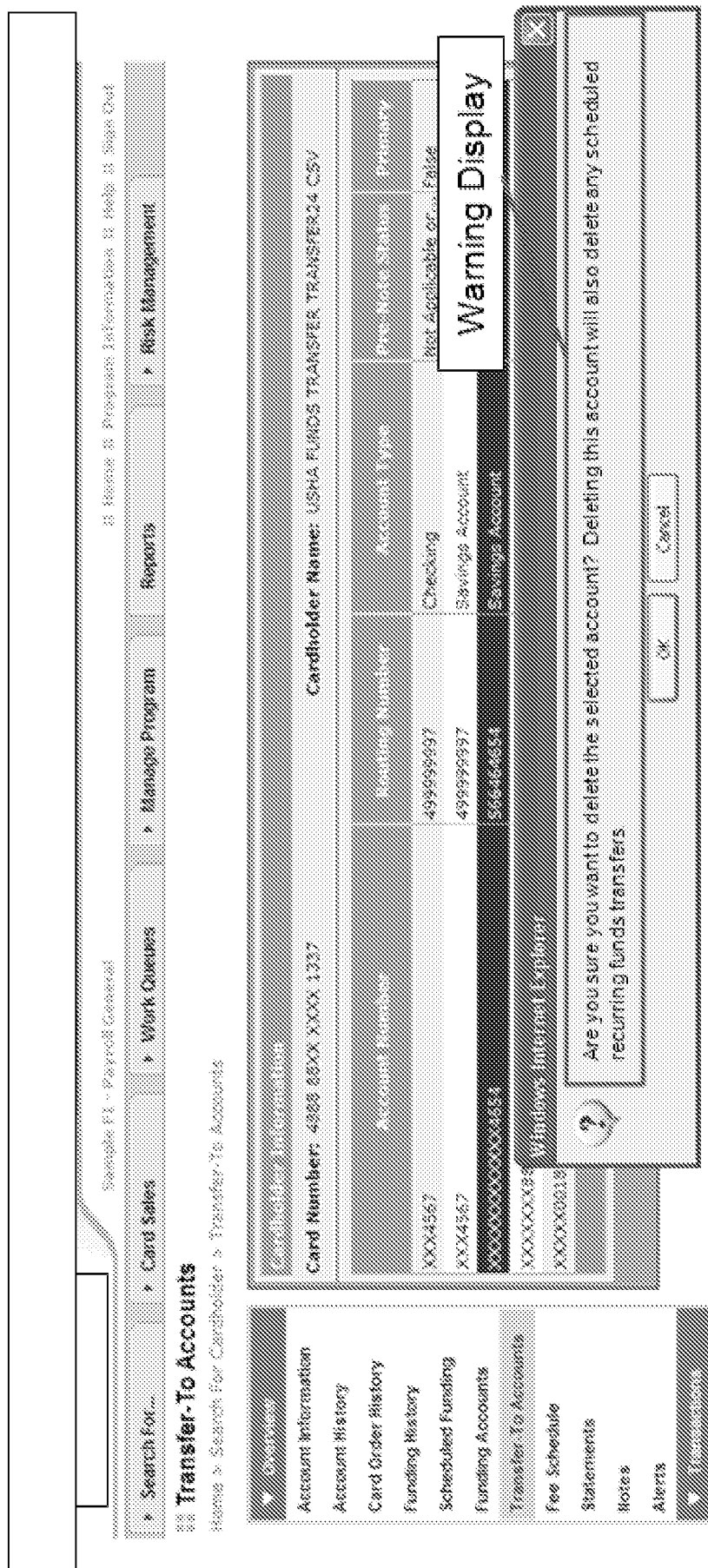
Warning Display

NO, KEEP THIS ACCOUNT

YES, DELETE THIS ACCOUNT

CWS Confirm Delete Transfer-to Account

FIGURE 5I



PAS Delete Transfer-to Account

FIGURE 5J

Sample FI Payroll Card Program

Home | Contact Us | FAQs | Sign Out

Account Summary

- Balance / Transaction History
- Statements
- Transfer Funds
- Scheduled Transfer
- Bill Pay
- Dispute Transaction
- Update Profile

Profile

- Create PIN
- Change PIN
- Forgot PIN
- Change Password
- Suspend Card
- Reactivate Card

<System Message>

Scheduled Transfer

Cardholder Information

Cardholder Name:John Smith

Card Number:XXXX XXXX XXXX 1234

You are allowed one scheduled transfer.

Scheduled Transfer Details

Account Type	When	Amount	To Routing Number	To Account Number
Savings	After Each Deposit Occurs	\$200.00	123456789	XXXXXXXX7890

DELETE SCHEDULED TRANSFER

EDIT SCHEDULED TRANSFER

CWS Schedule Transfer Page

FIGURE 5K

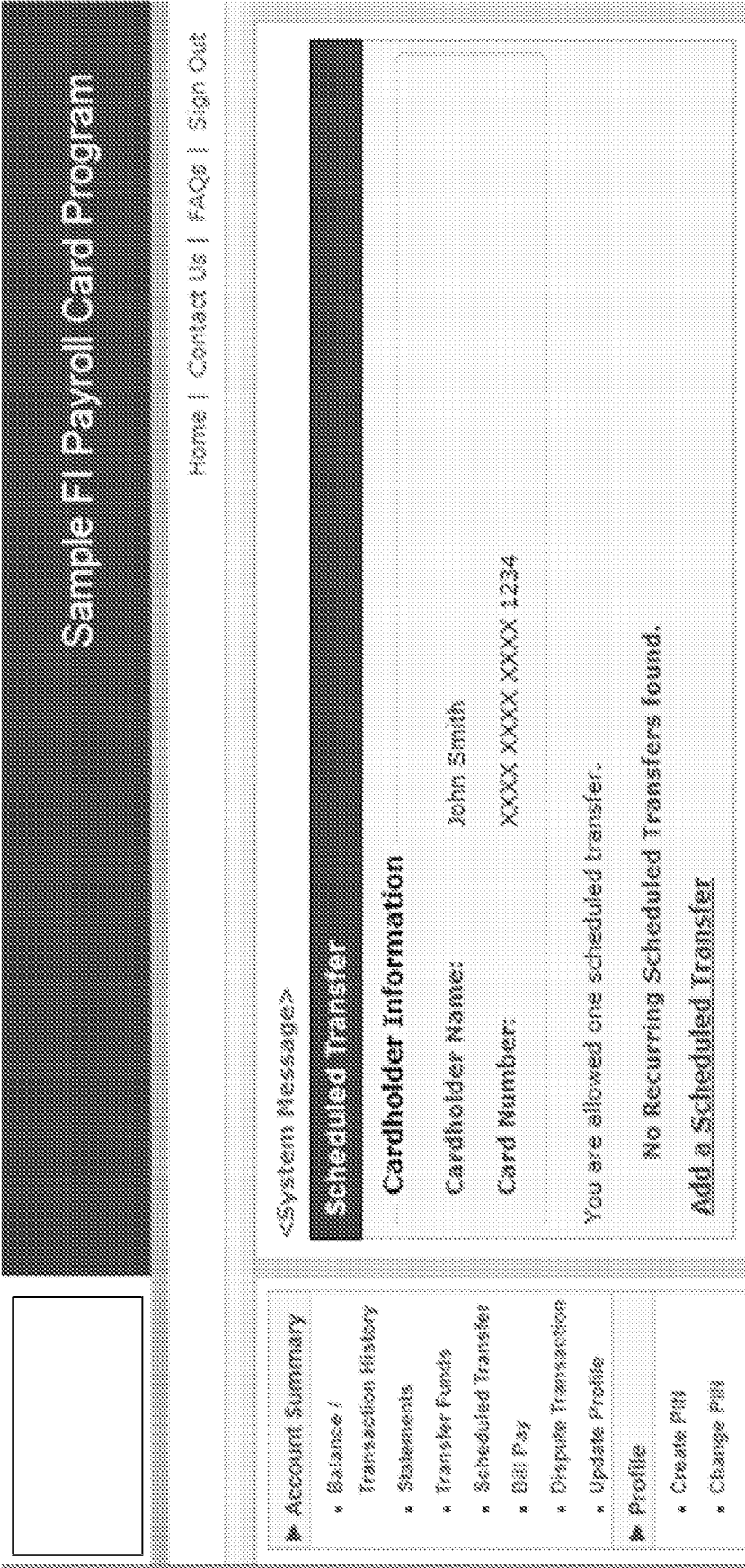


FIGURE 5L

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Program Documents | Home | Help | Sign out

Your Financial Institution Payroll Card

Search For ...

Card Sales

Work Queues

Manage Program

Reports

Paid Management

Scheduled Transfers

Home > Search for Cardholder > Scheduled Transfers

«Zoom for system messages»

Cardholder Information

Card Number: 4300 23XX XXXX 2200 Name: SPAD POTTER

Type	When	Amount	To Account Number
Savings	After Each Deposit Occurs	\$200.00	123456789 XXXXX1234

Account Information

Upgrade Status

Account History

Card Order History

Funding History

FIGURE 5M

Year Financial Institution Payroll Card

Program Documents | Home | Help | Sign out

Search For ...

Card Sales

Work Queues

Manage Program

Reports

Risk Management

Scheduled Transfers

Home > Search for Cardholder > Scheduled Transfers

Account Information

Upgrade Status

Account History

Card Order History

Funding History

Cardholder Information

Card Number: 4300 23XX XXXX 2200 Name: BRAD POTTER

Type	When	Amount	To Routing Number	To Account Number
No scheduled recurring funds transfer found.				

ADD NEW

<Return for system messages>

FIGURE 5N

Sample FI Payroll Card Program

Home | Contact Us | FAQs | Sign Out

Account Summary

- Balance / Transaction History
- Statements
- Transfer Funds
- Scheduled Transfer
- Bill Pay
- Dispute Transaction
- Update Profile

Profile

- Create PIN
- Change PIN

Confirm Scheduled Transfer Deletion

Are you sure you want to delete this scheduled transfer?

Transfer Details

Amount:

\$200

Transfer To:

Checking Account ending in 1234

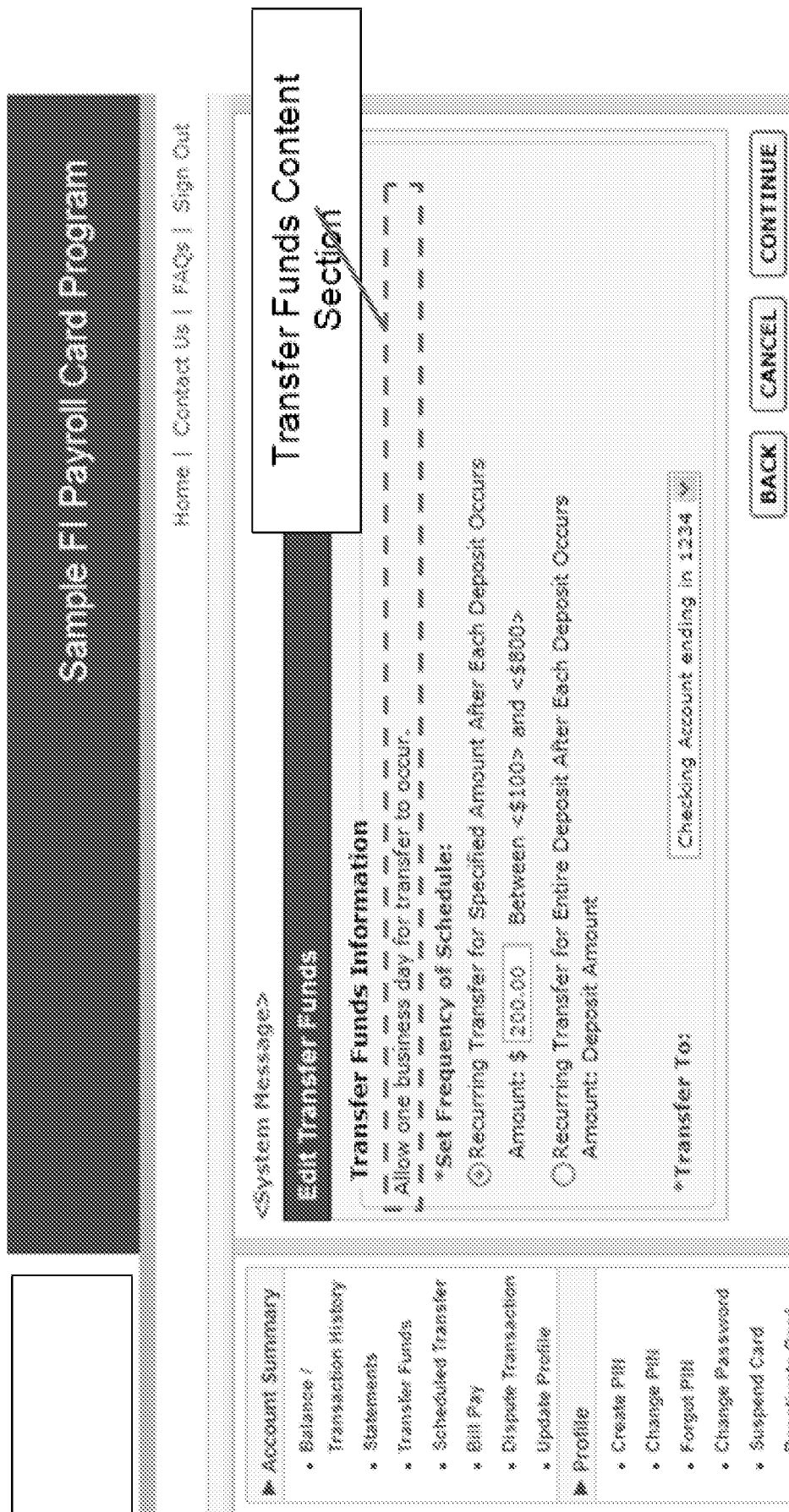
Frequency:

After Each Deposit Occurs

NO, KEEP THIS SCHEDULED TRANSFER

YES, DELETE THIS SCHEDULED TRANSFER

OS M G L



CWS Edit Scheduled Transfer

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Your Financial Institution Payroll Card		Program Documents > Home > Help > Sign out	
Search For ...	Card Sales	Work Queues	Manage Program
Reports	Risk Management		

Edit Scheduled Transfer

Home > Search for Cardholder > Scheduled Transfer > Edit Sched Transfer

<Room for system messages>

Cardholder Information	
Card Number:	4300 XXXX XXXX 2200 Name: BRAD POTTER

Account Information	
Available Balance:	\$1,450.00
Actual Balance:	\$1,500.00
Card Status:	Active
Expiration Date:	01/06

Transfer Fund Information

Their recurring transfer will start with their next deposit.

*Set Frequency Schedule:

☒ Recurring Transfer for Specified Amount After Each Deposit Occurs
 Amount: \$ Between <\$100> and <\$800>
☐ Recurring Transfer for Specified Amount After Each Deposit Occurs
 Amount: Deposit Amount

*Transfer To: Savings Account ending in 4567

24/30

FIGURE 5R

Email ID:	XXXX
Title:	Recurring Funds Transfer Failed
Revision:	01

From:	[Admin Sender] (i.e. "Prepaid Processing Admin")
To:	[Recipient]
Subject:	Recurring Funds Transfer Failed

Dear [CH_FIRST_NAME],

Your scheduled funds transfer request from your [CARD_PROGRAM_NAME_EMAILS] account to the checking or savings account ending in [#RIGHTSTRING 4 ACCOUNT_NUMBER] was unable to be completed. The reason for this may include an invalid transfer-to account, the balance may not be sufficient for the requested transfer amount, or the account may have a status that prohibits funds transfers.

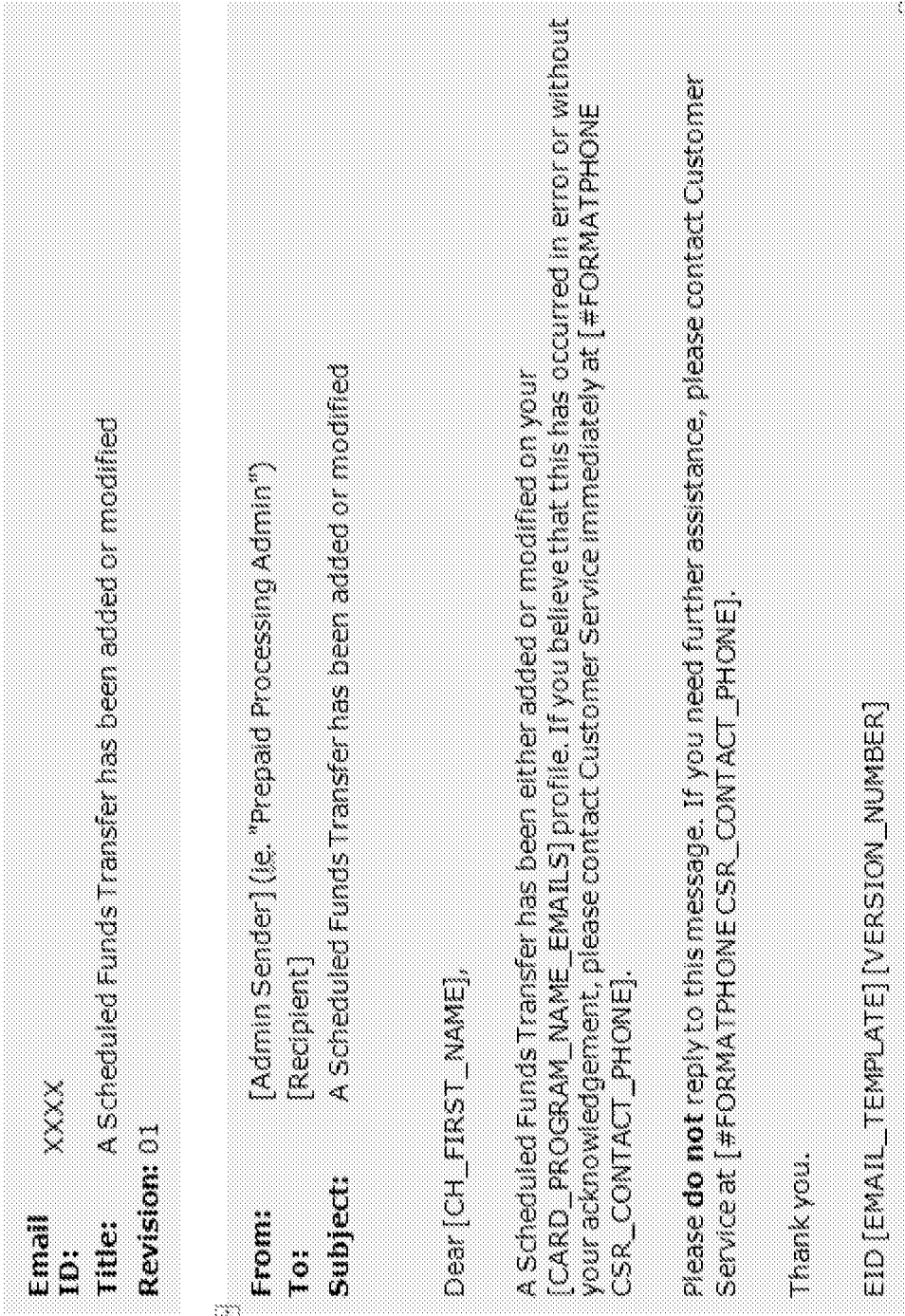
Please **do not** reply to this message. If you need further assistance, please contact Customer Service at [#FORMATPHONE CSR_CONTACT_PHONE].

Thank you.

EID [EMAIL_TEMPLATE][VERSION_NUMBER]

Sample System Email A -- "Funds Transfer Failed" Email

FIGURE 5S



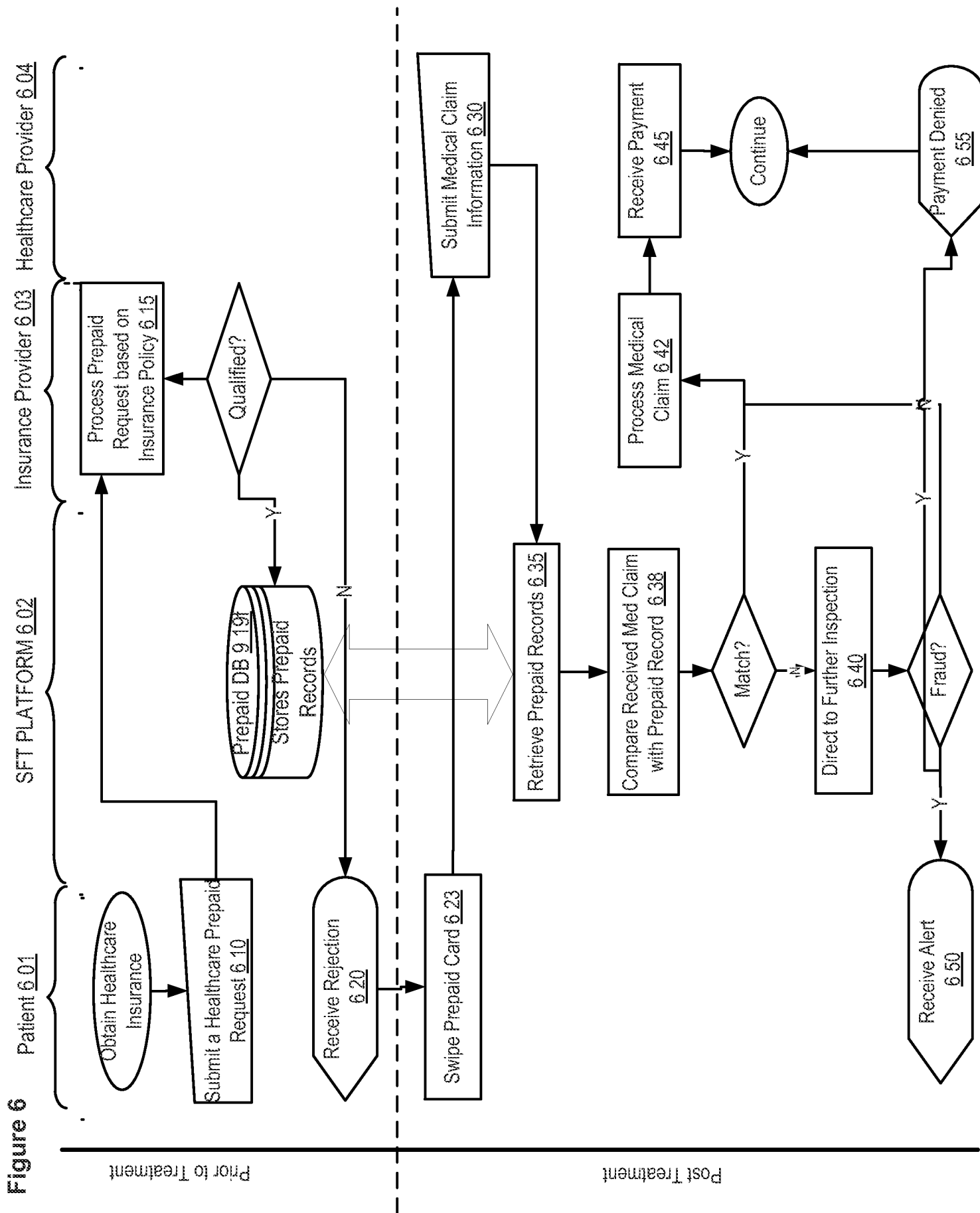
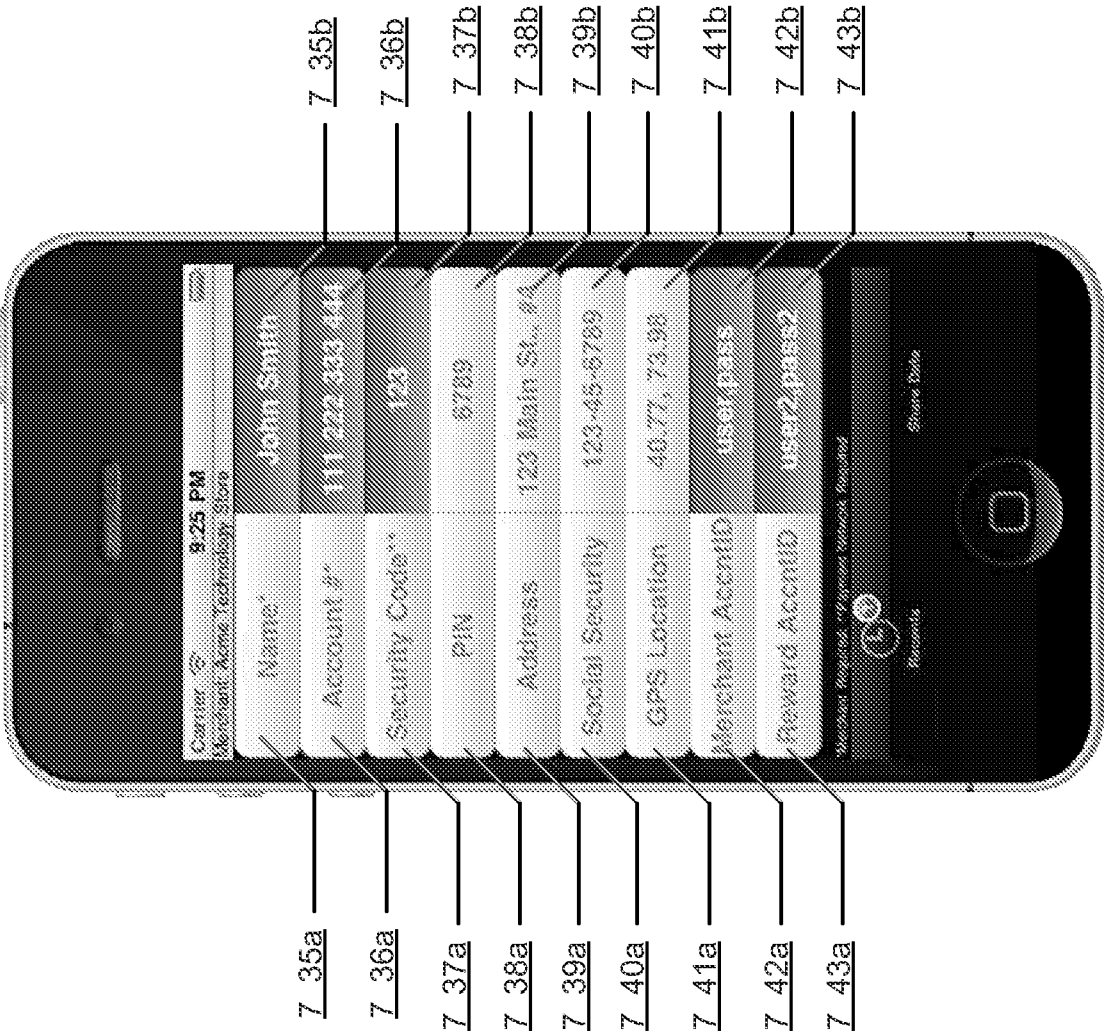


Figure 7B

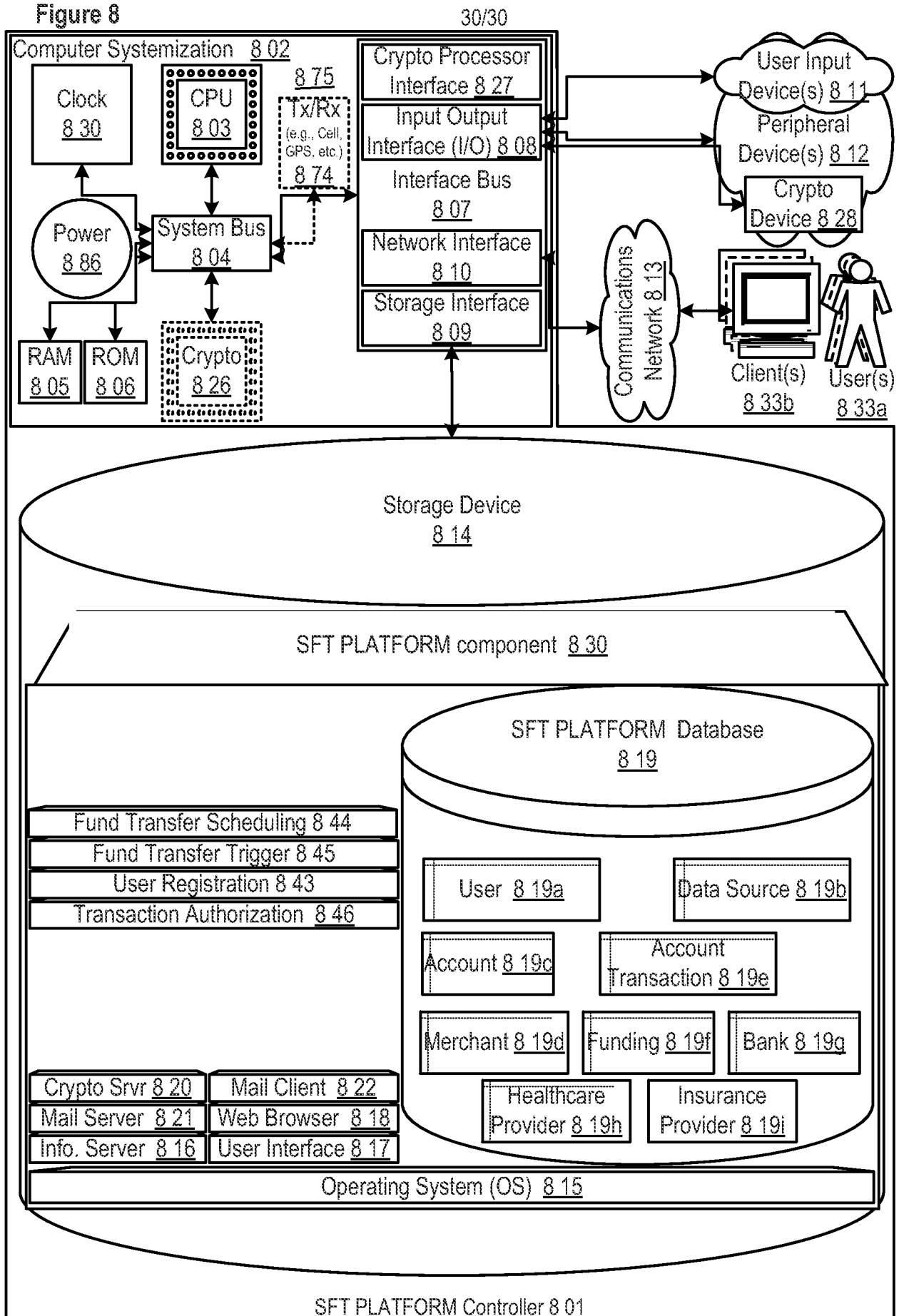


Figure 7C



Example: SFT PLATFORM Mobile App: User Profile Settings

Figure 8



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 11/42062

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06Q 40/00 (201 1.01)

USPC - 705/39

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

USPC: 705/39

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC: 705/1.1, 35, 39; 700/1, 90 (keyword limited - see search terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST (PGPB, USPT, USOC, EPAB, JPAB); GOOGLE; Google Scholar

Terms: fund, transfer, account, schedule, trigger, threshold, parameters, verify, validate, recurring, prepaid, debit, credit authorization, transaction, log, ach.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2008/0140568 A1 (Henry) 12 June 2008 (12.06.2008), entire document, especially abstract, para [0007], [0017], [0022], [0023], [0040], [0048], [0050], [0051], [0053], [0054], [0055], [0060].	1-27
Y	US 2007/0233590 A1 (Hardison, III) 04 October 2007 (04.10.2007), entire document, especially abstract, para [0008], [0021], [0022], [0023], [0174], [0180], [0221], [0224], [0317], [0375].	1-27
A	US 2003/0026404 A1 (Joyce et al.) 06 February 2003 (06.02.2003), entire document, especially abstract, para [0006], [0009], [0022], [0032], [0033], [0040], [0089], [0117], [0147], [0168].	1-27

☐ Further documents are listed in the continuation of Box C. ☐

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

16 September 2011 (16.09.2011)

Date of mailing of the international search report

29 SEP 2011

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
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