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(54) **OPEN WALLET FOR ELECTRONIC TRANSACTIONS**

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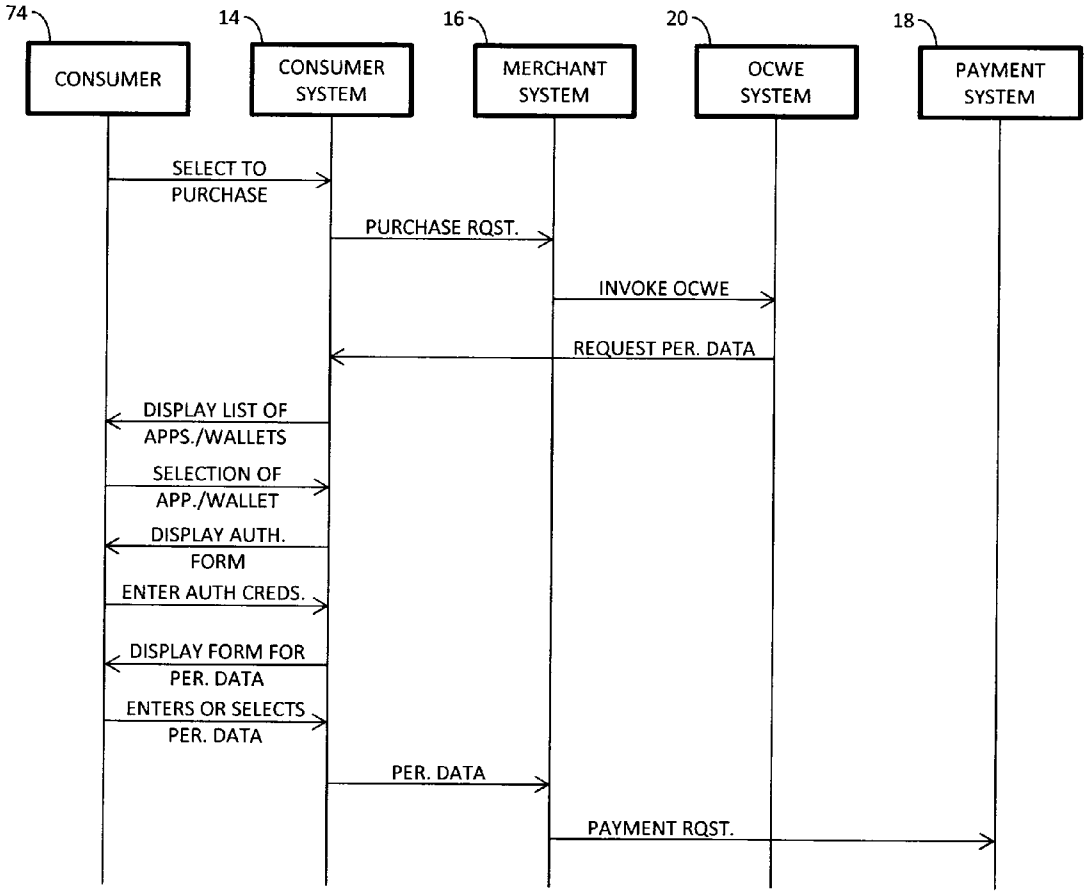
(57) **ABSTRACT**

A system for completing a transaction between a first party and a second party is provided. The system includes at least one processor programmed to receive a request for personal data to complete the transaction from the second party using an open commerce wallet exchange (OCWE) protocol. The processor is further programmed to receive a selection of one of one or more banking applications and/or wallets associated with the system from the first user. The one or more banking applications and/or wallets include the personal data or access to the personal data. The processor is further programmed to receive the personal data from the selected banking application and/or wallet and provide the merchant with the personal data using the OCWE protocol to complete the transaction.



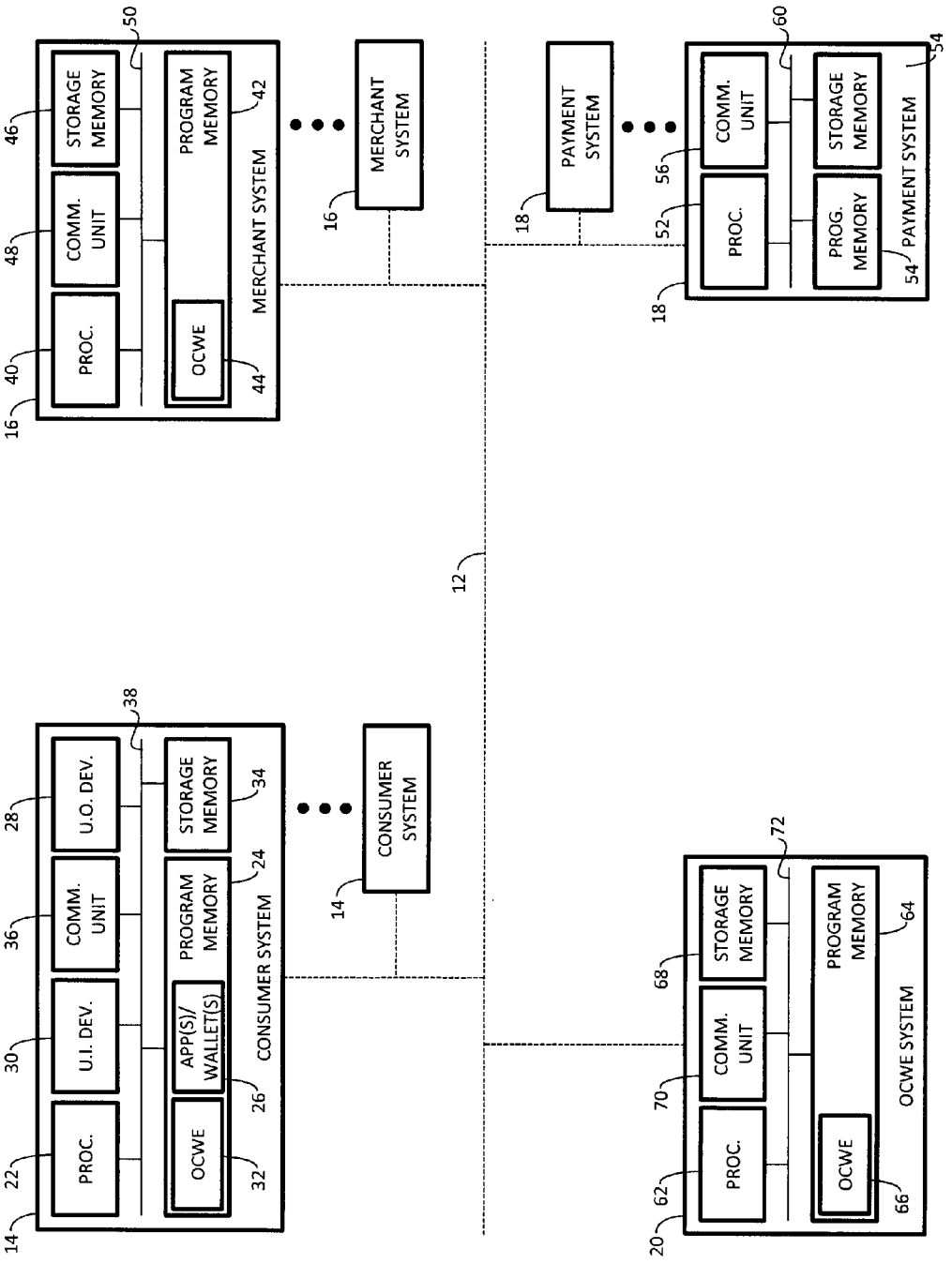

MERCHANT SYSTEM
PROC.
COMM. UNIT
STORAGE MEMORY
PROGRAM MEMORY
OCWE
MERCHANT SYSTEM
PAYMENT SYSTEM
PROC.
COMM. UNIT
STORAGE MEMORY
PROG. MEMORY
PAYMENT SYSTEM
CONSUMER SYSTEM
PROC.
U.I. DEV.
COMM. UNIT
U.O. DEV.
OCWE
APP(S)/ WALLET(S)
PROGRAM MEMORY
STORAGE MEMORY
CONSUMER SYSTEM
OCWE SYSTEM
PROC.
COMM. UNIT
STORAGE MEMORY
OCWE
PROGRAM MEMORY
OCWE SYSTEM
12
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FIG. 1

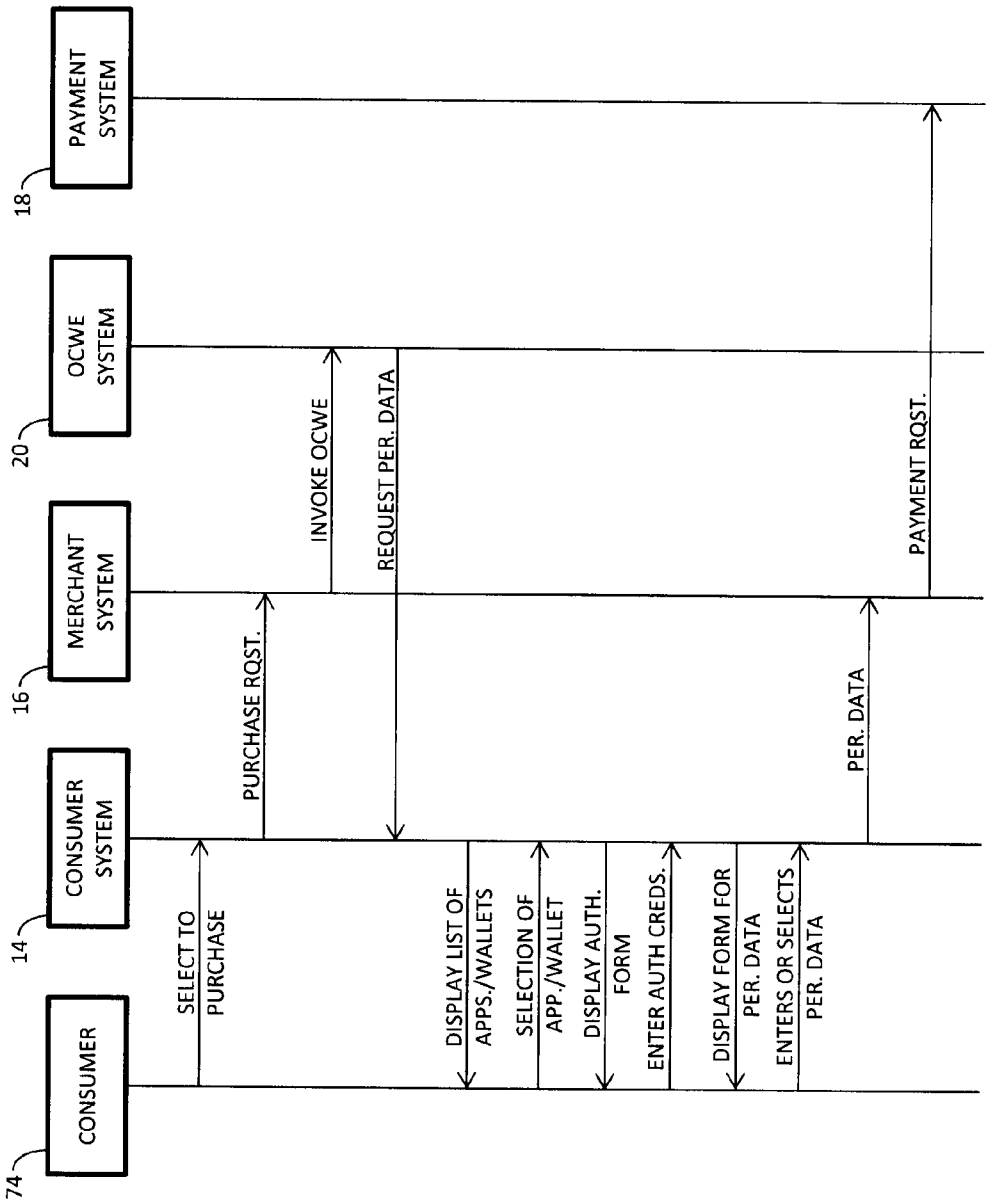
CONSUMER
74
CONSUMER SYSTEM
14
MERCHANT SYSTEM
16
OCWE SYSTEM
20
PAYMENT SYSTEM
18
SELECT TO PURCHASE
PURCHASE RQST.
INVOKE OCWE
REQUEST PER. DATA
DISPLAY LIST OF APPS./WALLETS
SELECTION OF APP./WALLET
DISPLAY AUTH. FORM
ENTER AUTH CREDS.
DISPLAY FORM FOR PER. DATA
ENTERS OR SELECTS PER. DATA
PER. DATA
PAYMENT RQST.

FIG. 2

OPEN WALLET FOR ELECTRONIC TRANSACTIONS

[0001] This application claims the benefit of U.S. Provisional Application No. 61/536,275, filed Sep. 19, 2011, incorporated herein by reference in its entirety.

BACKGROUND

[0002] The present disclosure relates generally to methods and/or systems for mobile and/or electronic commerce. In particular, the present disclosure is directed to methods and/or systems that provide payment processing support for merchants conducting business over a telecommunications networks, such as the Internet and/or a wireless network. However, it is to be appreciated that the presently disclosed subject matter is equally amenable to other like applications and/or environments.

[0003] By way of background, mobile commerce is expanding rapidly throughout the world. Consumer adoption of smartphones has created the perfect storm for a new mobile payment ecosystem. More and more retailers and merchants are reaching their customers through mobile devices with targeted mobile messaging, mobile shopping applications, mobile optimized web sites, mobile search, social mobile applications, bar code scanning applications, location-based services, and the like. However, enabling payments in a user friendly way from a mobile device is still a challenge, which causes poor conversion to, and limits the potential of, this mobile payment ecosystem.

[0004] One specific challenge is that making payments requiring a user to enter payment data, billing data and shipping data is cumbersome. To address this challenge, there are many companies building "mobile wallets", which provide a container application that stores all a user's payment and personal data. The user can then access this data through a "single click". Although mobile wallets address the above-mentioned challenge, mobile wallets also create new challenges, including the need for a retailer or merchant to support many different mobile wallets, such as GOOGLE WALLET, VISA WALLET, AMEX WALLET, SPRINT WALLET, ISIS WALLET, MASTERCARD WALLET, and the like. Managing and building integrations and connections to a diverse wallet ecosystem, where each wallet solution is different, whether slightly or significantly, is challenging for a retailer or merchant. Further, minimal consumer adoption of mobile wallets diminishes the gains from supporting many different mobile wallets.

[0005] At the same time, consumers are readily adopting "mobile banking applications", such as native mobile applications and mobile optimized web applications. Mobile banking applications allow consumers to access credit card, bank account and other payment account data (e.g., PAYPAL, AMAZON PAYMENTS, etc.). Mobile banking applications are simple and easy for consumers to use and provide a great utility for people to manage their financial accounts on the go. However, most mobile banking applications are limited in that they are simply providing account servicing data, such as access to current balances, transaction history, branch and ATM locator data, and so on.

[0006] The present invention provides new and improved methods and/or systems which overcome the above-referenced problems and others.

INCORPORATION BY REFERENCE

[0007] The following commonly assigned applications, the disclosures of each being completely incorporated herein by reference, are mentioned:

[0008] U.S. Pat. No. 7,051,002 entitled "Universal Merchant Platform for Payment Authentication," by Keresman, III et al.; and,

[0009] U.S. Patent Publication No. 2009/0313147 entitled "Alternative Payment Implementation for Electronic Retailers," by Balasubramanian et al.

BRIEF DESCRIPTION

[0010] In accordance with one aspect, a system for completing a transaction between a first party and a second party is provided. The system includes at least one program memory including processor executable instructions. The processor executable instructions include one or more banking applications and/or wallets including personal data to complete the transaction or access to the personal data. The processor executable instructions further include an open commerce wallet exchange (OCWE) module configured to receive a request for the personal data from the second party using an OCWE protocol, receive a selection of one of the banking applications and/or wallets from the first party, authenticate the first party using built-in authentication of the selected banking application and/or wallet, receive the personal data from the selected banking application and/or wallet, and provide the merchant with the personal data using the OCWE protocol to complete the transaction. The system further includes at least one processor executing the processor executable instructions of the program memory.

[0011] In accordance with one aspect, a method for completing a transaction between a first party and a second party is provided. The method is performed by at least one processor. A request for personal data to complete the transaction is received from the second party using an open commerce wallet exchange (OCWE) protocol. A selection of one of one or more banking applications and/or wallets is received from the first party. The one or more banking applications and/or wallets include the personal data or access to the personal data. The first party is authenticated using built-in authentication of the selected banking application and/or wallet. The personal data is received from the selected banking application and/or wallet, and the merchant is provided with the personal data using the OCWE protocol to complete the transaction.

[0012] In accordance with one aspect, a system for completing a transaction between a first party and a second party is provided. The system includes at least one processor programmed to receive a request for personal data to complete the transaction from the second party using an open commerce wallet exchange (OCWE) protocol. The processor is further programmed to receive a selection of one of one or more banking applications and/or wallets associated with the system from the first user. The one or more banking applications and/or wallets include the personal data or access to the personal data. The processor is further programmed to receive the personal data from the selected banking application and/or wallet and provide the merchant with the personal data using the OCWE protocol to complete the transaction.

BRIEF DESCRIPTION OF THE DRAWINGS

[0013] FIG. **1** is a block diagram of an exemplary system implementing an open commerce wallet exchange (OCWE); and,

[0014] FIG. **2** is a sequence diagram of an exemplary transaction using the OCWE.

DETAILED DESCRIPTION

[0015] With reference to FIG. **1**, a block diagram of an electronic commerce (eCommerce) system **10**, such as a mobile commerce system, implementing an open commerce wallet exchange (OCWE) is provided. In a preferred embodiment, the OCWE provides an open exchange to allow consumers to securely share personal data to complete transactions with merchants in a common and seamless format. The personal data includes, for example, payment and/or fulfillment data.

[0016] The eCommerce system **10** includes a plurality of subsystems interconnected by one or more communication networks **12**. The subsystems include one or more consumer systems **14**, one or more merchant systems **16**, and one or more payment systems **18**. The subsystems can further include a central OCWE system **20**. The communication networks **12** typically include the Internet, but can additionally or alternatively include other types of communication network. For example, the communication networks **12** can include one or more of a local area network (LAN), a wireless network, a wide area network (WAN), and the like.

[0017] A different party (e.g., a legal or natural person) typically provides each of the subsystems **14**, **16**, **18**, **20** of the eCommerce system **10**. However, it is also contemplated that the same party can provide a plurality of the subsystems **14**, **16**, **18**, **20** of the eCommerce system **10**. For example, a merchant can provide one of the merchant systems **16** and the OCWE system **20**.

[0018] The consumer systems **14** allow the consumers to conduct transactions with the merchants over the communication networks **12**, where personal data to complete the transactions is exchanged using the OCWE. The consumer systems **14** include a consumer system for each of the consumers. Further, the consumer systems **14** are typically mobile devices, such as mobile phones, but other types of digital processing devices, such as laptop computers, are contemplated.

[0019] Each of the consumer systems **14** includes a plurality of subcomponents. The subcomponents include at least one processor **22** and at least one program memory **24**. The processor **22** executes the processor executable instructions, which are stored on the program memory **24**, to conduct one or more transactions, each transaction as discussed in connection with FIG. **2**.

[0020] One or more banking applications and/or wallets **26** of the processor executable instructions include personal data, or include access to personal data, needed to complete the transactions. Built in security of the banking applications and/or wallets **26** prevents unauthorized access to the personal data. A wallet provides a container that stores a user's payment and personal data. Wallets include, for example, GOOGLE WALLET, VISA WALLET, AMEX WALLET, SPRINT WALLET, ISIS WALLET, MASTERCARD WALLET, etc. A banking application provides a user access credit card, bank account and other payment account data. Banking applications include, for example, CITI CREDIT CARD MOBILE BANKING APPLICATION.

[0021] A user interface of the processor executable instructions allows the banking applications and/or wallets **26** to interact with the consumer. Namely, the user interface allows the banking applications and/or wallets **26** to present data to the consumer using a user output device **28** of the subcomponents, such as a display device. Further, the user interface allows the consumer to communicate with the banking applications and/or wallets **26** using a user input device **30** of the subcomponents, such as a keyboard.

[0022] The user interface further presents products and/or services sold by the merchants to the consumer using the user output device **28**. Further, the user interface allows the consumer to select products and/or services to purchase from the merchants using the user input device **30**. The user interface is typically a graphical user interface, such as a website of the merchant, presented to the consumer using the user output device **28**. However, other types of user interfaces are contemplated, such as an interactive voice response (IVR) user interface.

[0023] After the consumer finishes selecting the products and/or services to purchase from a merchant, the processor executable instructions send a purchase request to the merchant system **16** corresponding to the merchant. The purchase request identifies the selected products and/or services and, in some embodiments, indicates that the consumer desires to employ the OWCE. The consumer can, for example, indicate that they are finished selecting products and/or services and/or desire to employ the OWCE using the user interface. In response to the purchase request, the merchant system **16** invokes the OWCE to request personal data from the consumer.

[0024] An OWCE module **32** of the processor executable instructions allows the merchant systems **16** to obtain personal data from the banking applications and/or wallets **26** using an OCWE protocol. The OWCE module **32** can, for example, be an application or built into an operating system of the consumer system **14**. In one embodiment, the OCWE module **32** communicates with the merchant systems **16** through the OCWE system **20**. In other embodiments, the OCWE module **32** communicates directly with the merchant systems **16**. Suitably, the OCWE module **32** requires authentication of a merchant system **16** before communicating with the merchant system **16**.

[0025] In response to a request for personal data from a merchant, the OWCE module **32** determines a list of those banking applications and/or wallets of the banking applications and/or wallets **26** which support the OWCE and, in some embodiments, which the merchant system **16** of the merchant supports. To determine those banking applications and/or wallets which support the OWCE, the OWCE module **32** provides the banking applications and/or wallets **26** an interface with which to register with the OWCE (e.g., a set of application programming interfaces (APIs)). To determine those banking applications and/or wallets which the merchant system **16** supports, the request identifies those banking applications and/or wallets which the merchant system **16** supports.

[0026] After determining the list, the list is presented to the consumer using the user interface to allow the consumer to select the banking application and/or wallet to use for completing the transaction. The selected banking application and/or wallet is then invoked. By invoking the selected banking

application and/or wallet, the banking application and/or wallet authenticates the consumer and allows the consumer to enter personal data, and/or otherwise select personal data maintained by the selected application and/or wallet, for completion of the transaction.

[0027] The personal data is then provided to the merchant system **16** using the OWCE. That is to say, the personal data is provided to the OCWE module **32** by way of an interface provided to the banking application and/or wallet. The interface can, for example, be a set of APIs provided by the OCWE module **32**. The OCWE module **32** then provides the personal data to the merchant system **16** directly or by way of the OCWE system **20**. In this way, the OCWE provides the merchant systems **16** a unified interface for accessing different banking applications and/or wallets, regardless of the differing communication protocols, data element requirements and/or transmission standards of the banking applications and/or wallets **26**.

[0028] The OWCE module **32** can further allow consumers to register their individual banking application and/or wallet credentials and a master credential with any form of authentication. That is to say, a consumer can register with the OCWE and specify the individual credentials of the banking applications and/or wallets **26** of the consumer system **14** corresponding to consumer. The consumer can further specify master credentials and a type of authentication to use. The OWCE module **32** then proxies the differing authentication requirements of the banking application and/or wallets **26**.

[0029] The subcomponents further include at least one storage memory **34** and at least one communication unit **36**. The storage memory **34** provides the processor **22** with storage of data. The communication unit **36** provides the processor **22** an interface to communicate with other subsystems of the eCommerce system **10** over the communication networks **12**. The consumer system **14** further includes at least one system bus and/or communication network **38** interconnecting the subcomponents of the consumer system **14**.

[0030] The merchant systems **16** allow the merchants to conduct transactions with the consumers over the communication networks **12**, where personal data to complete the transactions is exchanged using the OCWE. The merchant systems **16** are each associated with one of the merchants. Further, each of the merchant systems **16** is comprised of one or more computer servers, typically a plurality of computer servers.

[0031] Each of the merchant systems **16** includes a plurality of subcomponents. The subcomponents include at least one processor **40** and at least one program memory **42**. The processor **40** executes the processor executable instructions, which are stored on the program memory **42**, to conduct one or more transactions, each transaction as discussed in connection with FIG. **2**.

[0032] An OCWE module **44** of the processor executable instructions allows the merchant system **16** to obtain personal data from the consumer systems **14** using an OCWE protocol. In one embodiment, the OCWE module **44** communicates with the consumer systems **16** through the OCWE system **20**. In other embodiments, the OCWE module **44** communicates directly with the consumer systems **14**. Suitably, the OCWE module **44** requires authentication of a consumer system **14** before communicating with the consumer system **14**.

[0033] Suitably, the merchant system **16** requests personal data from a consumer in response to receiving a purchase request form the consumer system **14** of the consumer. The purchase request identifies the products and/or services the consumer desires to purchase from the merchant. In some embodiments, the purchase request indicates that the consumer desires to employ the OWCE. This can be employed to determine whether to process the transaction traditionally or using the OWCE. In response to receiving the personal data, the merchant system **16** completes the transaction using the payment systems **18** as traditionally done. Alternatively, where the OWCE system **20** is employed, the OWCE system **20** completes the transaction on behalf of the merchant using the payment systems **18** as traditionally done. The merchant system **16** can provide an indication of the completed transaction to the consumer system **14** and/or the OWCE system **20**.

[0034] The subcomponents further include at least one storage memory **46** and at least one communication unit **48**. The storage memory **46** provides the processor **40** with storage of data. The communication unit **48** provides the processor **40** an interface to communicate with other subsystems of the eCommerce system **10** over the communication networks **12**. The merchant system **16** further includes at least one system bus and/or communication network **50** interconnecting the subcomponents of the merchant system **16**.

[0035] The payment systems **18** are each associated with a party to process payments for a merchant. Further, each of the payment systems **18** is comprised of one or more computer servers, typically a plurality of computer servers, and a plurality of subcomponents embodying the computer servers. The subcomponents include at least one processor **52** and at least one program memory **54**. The processor executes the processor executable instructions, which are stored on the program memory **54**, to complete transactions between the merchants and the consumers.

[0036] The processor executable instructions process payments for one or more payment brands, which provide one or more payment options. Payment brands include, for example, AMERICAN EXPRESS, DISCOVER FINANCIAL SERVICES, JCB INTERNATIONAL, and MASTERCARD WORLDWIDE AND VISA INTERNATIONAL, and payment options include, for example, credit card and debit card.

[0037] In some embodiments, the processor executable instructions additionally or alternatively process payments for one or more alternative payment brands, which provide one or more alternative payment options. Alternative payment brands include, for example, GOOGLE, PAYPAL, BILL ME LATER, MYECHECK, and SECURE VAULT PAYMENTS. Alternative payment options include, for example, GOOGLE CHECKOUT, PAYPAL EXPRESS, BILL ME LATER EXPRESS and BILL ME LATER BUSINESS.

[0038] The subcomponents further include at least one storage memory **56** and at least one communication unit **58**. The storage memory **56** provides the processor **52** with storage of data. The communication unit **58** provides the processor an interface to communicate with other subsystems of the eCommerce system **10** over the communication networks **12**. The payment system **18** further includes at least one system bus and/or communication network **60** interconnecting the subcomponents of the payment system **18**.

[0039] The payment systems **18** are, for example, payment gateways or a universal merchant platform (UMP). The UMP provides a unified interface to the merchants for partially or wholly completing transactions. For the details of the UMP,

attention is directed to, for example, U.S. Patent Publication No. 2009/0313147 entitled "Alternative Payment Implementation for Electronic Retailers," by Balasubramanian et al., or U.S. Pat. No. 7,051,002 entitled "Universal Merchant Platform for Payment Authentication," by Keresman, III et al., both incorporated herein by reference.

[0040] The OCWE system **20** is associated with a party providing a centralized OCWE for the merchants and the consumers to share personal data. The OCWE system **20** includes a plurality of subcomponents. The subcomponents include at least one processor **62** and at least one program memory **64**. The processor **62** executes the processor executable instructions, which are stored on the program memory **64**, to facilitate transactions between the merchants and the consumers.

[0041] An OCWE module **66** of the processor executable instructions relays personal data between the consumer systems **14** and the merchant systems **16**. Typically, a merchant system **16** connects to the OCWE module **66** and requests personal data from a consumer system **14**. The OCWE module **66** then relays the request to the consumer system **14**. The OCWE module **66** further authenticate the consumer systems **14** and the merchant systems **16** before exchanging personal data. Authentication can be performed using authentication credentials, such as a password.

[0042] The OCWE module **66** can further allow consumers to register their individual banking application and/or wallet credentials in order to use a master credential with any form of authentication. That is to say, a consumer can register with the OCWE and specify the individual credentials of the banking applications and/or wallets **26** of the consumer system **14** corresponding to consumer. The consumer can further specify master credentials and a type of authentication to use. The OCWE module **66** then proxies the differing authentication requirements of the banking application and/or wallets **26**.

[0043] The subcomponents further include at least one storage memory **68** and at least one communication unit **70**. The storage memory **68** provides the processor with storage of data. The communication unit **70** provides the processor **62** an interface to communicate with other subsystems of the eCommerce system **10** over the communication networks **12**. The OCWE system **20** further includes at least one system bus and/or communication network **72** interconnecting the subcomponents of the OCWE system.

[0044] With reference to FIG. **2**, a sequence diagram illustrating a transaction between a consumer **74** and a merchant, where the transaction is performed using the OCWE, is illustrated. To begin the consumer **74** selects products and/or services to purchase from the merchant using the consumer system **14** of the consumer **74**. The consumer **74** then triggers the consumer system **14** to generate a purchase request and transmit the purchase request to the merchant system **16** of the merchant. The triggering can be performed by, for example, selecting a "buy" button on the user interface. The purchase request includes direct identification of the selected products and/or services or an identifier allowing indirect identification of the selected products and/or services.

[0045] In response to receiving the purchase request, the merchant system **16** invokes the OCWE to determine personal data, including payment and/or fulfillment data, for completing the transaction. The payment data identifies a payment option, such as an alternative payment option or a traditional payment option, and includes the necessary data to complete a transaction with the identified payment option. For example, with a traditional payment option, such as a credit card or debit card, the payment data may include a card number and an expiration date. The fulfillment data includes data necessary for fulfilling the merchant obligations after payment. For example, the fulfillment data can include a shipping address.

[0046] In invoking the OCWE, the merchant system **16** employs the OCWE communication protocol to request the personal data from the consumer system **14**. As illustrated, this entails requesting the personal data by way of the OCWE system **20**. However, it is also contemplated that the personal data can be requested directly from the consumer system **14**. The consumer system **14**, in response to receiving the request, determines a list of banking applications and/or wallets of the consumer system **14** which support the OCWE and, in some embodiments, which are supported by the merchant system **16**. This list is displayed to the consumer **74** to select one of the banking applications and/or wallets to use for completing the transaction.

[0047] The selected banking application and/or wallet is then launched. The consumer **74**, using the banking application and/or wallet authenticates using the existing authentication mechanism of the banking application and/or wallet. Further, the authenticated consumer **74** authorizes the exchange of the already present personal data of the banking application and/or wallet to the merchant system **16**. Alternatively, the authenticated consumer **74** enters personal data. At this point, the personal data is provided to the merchant system **16**. As illustrated, this is performed directly with the merchant system **16**. However, it can also be performed indirectly by way of the OWCE system **20**.

[0048] The merchant system **16** then processes the transaction with the received personal data using an existing payment process and the payment systems **18**. Alternatively, the OWCE system **20** submits the personal data to the payment systems **18** on behalf of the merchant system **16**. In the event banking applications and/or wallets have differing communication protocols, data element requirements and/or transmission standards, the OWCE can modulate, translate and communicate between all devices and or sites seamlessly.

[0049] Notwithstanding that the foregoing was described for transactions between merchants and consumers, transactions between retailers and consumers are also contemplated. In such an embodiment, the merchant systems **16** are used as retailer systems. Further, the transactions are typically performed face-to-face between the consumers and the merchants (or representatives of the merchants). Hence, the retailer systems can, for example, be point-of-sale systems.

[0050] The OWCE can further be employed to translate from form of communication protocol to another. For example, the OWCE initiates a wallet on a consumer system **14**. Should the consumer wish to use their OWCE for other types of commerce, such as a gaming device, automobile, TV, etc., the merchant's single connection would link to the service in which differing communication protocols would be translated into the OWCE communication protocol.

[0051] Advantageously, the OWCE provides a unified interface to merchants and/or retailers for requesting personal data from banking applications and/or wallets. Merchants and/or retailers do not have to build numerous integration or "payment pipes" into tens of wallets and/or thousands of mobile banking applications. In the event banking applications and/or wallets have differing communication protocols,

data element requirements and/or transmission standards, the OWCE can modulate, translate and communicate between all devices and or sites seamlessly.

[0052] It is to be appreciated that suitably, the methods and systems described herein are embodied by a computer, or other digital processing device including a digital processor, such as a microprocessor, microcontroller, graphic processing unit (GPU), etc. and storage. In other embodiments, the systems and methods may be embodied by a server including a digital processor and including or having access to digital data storage, such server being suitably accessed via the Internet or a local area network, or by a personal data assistant (PDA) including a digital processor and digital data storage, or so forth. The computer or other digital processing device suitably includes or is operatively connected with one or more user input devices, such as a keyboard, for receiving user input, and further includes, or is operatively connected with, one or more display devices. In other embodiments, the input for controlling the methods and systems is received from another program running previously to or concurrently with the methods and systems on the computer, or from a network connection, or so forth. Similarly, in other embodiments the output may serve as input to another program running subsequent to or concurrently with methods and systems on the computer, or may be transmitted via a network connection, or so forth.

[0053] In some embodiments, the exemplary methods, discussed above, the system employing the same, and so forth, of the present application are embodied by a storage medium storing instructions executable (for example, by a digital processor) to implement the exemplary methods and/or systems. The storage medium may include, for example: a magnetic disk or other magnetic storage medium; an optical disk or other optical storage medium; a random access memory (RAM), read-only memory (ROM), or other electronic memory device or chip or set of operatively interconnected chips; an Internet server from which the stored instructions may be retrieved via the Internet or a local area network; or so forth.

[0054] It is to further be appreciated that in connection with the particular exemplary embodiments presented herein certain structural and/or functional features are described as being incorporated in defined elements and/or components. However, it is contemplated that these features may, to the same or similar benefit, also likewise be incorporated in other elements and/or components where appropriate. It is also to be appreciated that different aspects of the exemplary embodiments may be selectively employed as appropriate to achieve other alternate embodiments suited for desired applications, the other alternate embodiments thereby realizing the respective advantages of the aspects incorporated therein.

[0055] It is also to be appreciated that particular elements or components described herein may have their functionality suitably implemented via hardware, software, firmware or a combination thereof. Additionally, it is to be appreciated that certain elements described herein as incorporated together may under suitable circumstances be stand-alone elements or otherwise divided. Similarly, a plurality of particular functions described as being carried out by one particular element may be carried out by a plurality of distinct elements acting independently to carry out individual functions, or certain individual functions may be split-up and carried out by a plurality of distinct elements acting in concert. Alternately, some elements or components otherwise described and/or shown herein as distinct from one another may be physically or functionally combined where appropriate.

[0056] Even more, it is to be appreciated that, as used herein, a memory includes one or more of a non-transient computer readable medium; a magnetic disk or other magnetic storage medium; an optical disk or other optical storage medium; a random access memory (RAM), read-only memory (ROM), or other electronic memory device or chip or set of operatively interconnected chips; an Internet/Intranet server from which the stored instructions may be retrieved via the Internet/Intranet or a local area network; or so forth. Further, as used herein, a processor includes one or more of a microprocessor, a microcontroller, a graphic processing unit (GPU), an application-specific integrated circuit (ASIC), an FPGA, and the like; a controller includes: (1) a processor and a memory, the processor executing computer executable instructions on the memory embodying the functionality of the controller; or (2) analog and/or digital hardware; a user input device includes one or more of a mouse, a keyboard, a touch screen display, one or more buttons, one or more switches, one or more toggles, voice recognition engines, and the like; a database includes one or more memories; and a display device includes one or more of a LCD display, an LED display, a plasma display, a projection display, a touch screen display, and the like.

[0057] In short, the present specification has been set forth with reference to preferred embodiments. Obviously, modifications and alterations will occur to others upon reading and understanding the present specification. It is intended that the invention be construed as including all such modifications and alterations insofar as they come within the scope of the appended claims or the equivalents thereof. That is to say, it will be appreciated that various of the above-disclosed and other features and functions, or alternatives thereof, may be desirably combined into many other different systems or applications, and also that various presently unforeseen or unanticipated alternatives, modifications, variations or improvements therein may be subsequently made by those skilled in the art which are similarly intended to be encompassed by the following claims.

[0058] The exemplary embodiment has been described with reference to the preferred embodiments. Obviously, modifications and alterations will occur to others upon reading and understanding the preceding detailed description. It is intended that the exemplary embodiment be construed as including all such modifications and alterations insofar as they come within the scope of the appended claims or the equivalents thereof.

1. A system for completing a transaction between a first party and a second party, said system comprising:

at least one program memory including processor executable instructions, the processor executable instructions including:

one or more banking applications and/or wallets including personal data to complete the transaction or access to the personal data;

an open commerce wallet exchange (OCWE) module configured to:

receive a request for the personal data from the second party using an OCWE protocol;

receive a selection of one of the banking applications and/or wallets from the first party;

authenticate the first party using built-in authentication of the selected banking application and/or wallet;

receive the personal data from the selected banking application and/or wallet; and,

provide the merchant with the personal data using the OCWE protocol to complete the transaction; and,

at least one processor executing the processor executable instructions of the program memory.

2. The system according to claim **1**, wherein the OCWE module further displays a list of banking applications and/or wallets of the one or more banking applications and/or wallets which support the OCWE module to the first party, and wherein the selection is from the displayed list.

3. The system according to claim **1**, wherein the OCWE module provides the banking applications and/or wallets an application programing interface (API) for communicating with the OCWE module.

4. The system according to claim **1**, wherein the processor executable instructions of the program memory translate differing communication protocols of the banking applications and/or wallets to the OCWE protocol.

5. The system according to claim **1**, wherein the system is a mobile device of the first party.

6. The system according to claim **1**, wherein the first party is a consumer and the second party is a merchant or retailer.

7. The system according to claim **1**, wherein the personal data is provided directly to the merchant.

8. The system according to claim **1**, wherein the personal data is provided to the merchant by way of an OCWE system provided by a third party.

9. The system according to claim **8**, wherein the merchant, upon completing the transaction, provides an indication of the completed transaction to the OCWE system.

10. The system according to claim **1**, wherein the OCWE module is further configured to:

receive an indication from the merchant that the transaction is complete.

11. The system according to claim **1**, wherein the request is received directly from the merchant.

12. The system according to claim **1**, wherein the personal data includes payment data and/or fulfillment data.

13. The system according to claim **1**, wherein the request is received from the merchant by way of an OCWE system provided by a third party.

14. A method for completing a transaction between a first party and a second party, said method performed by at least one processor and comprising:

receiving a request for personal data to complete the transaction from the second party using an open commerce wallet exchange (OCWE) protocol;

receiving a selection of one of one or more banking applications and/or wallets from the first party, wherein the one or more banking applications and/or wallets include the personal data or access to the personal data;

authenticating the first party using built-in authentication of the selected banking application and/or wallet;

receiving the personal data from the selected banking application and/or wallet; and,

providing the merchant with the personal data using the OCWE protocol to complete the transaction.

15. The method according to claim **14**, further comprising:

displaying a list of banking applications and/or wallets of the one or more banking applications and/or wallets which support OCWE to the first party, and wherein the selection is from the displayed list.

16. The method according to claim **14**, further comprising:

translating differing communication protocols of the banking applications and/or wallets to the OCWE protocol.

17. The method according to claim **14**, wherein the first party is a consumer and the second party is a merchant or retailer.

18. The method according to claim **14**, wherein the personal data is provided directly to the merchant.

19. The method according to claim **14**, wherein the personal data is provided to the merchant by way of an OCWE system provided by a third party.

20. The method according to claim **14**, wherein the request is received directly from the merchant.

21. The method according to claim **14**, wherein the request is received from the merchant by way of an OCWE system provided by a third party.

22. A system for completing a transaction between a first party and a second party, said system comprising:

at least one processor programmed to:

receive a request for personal data to complete the transaction from the second party using an open commerce wallet exchange (OCWE) protocol;

receive a selection of one of one or more banking applications and/or wallets associated with the system from the first user, wherein the one or more banking applications and/or wallets include the personal data or access to the personal data;

receive the personal data from the selected banking application and/or wallet; and,

provide the merchant with the personal data using the OCWE protocol to complete the transaction.

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