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CA 94065 (US). **CLEARY, Jay**; Oracle Corporation, 500 Oracle Parkway, Redwood Shores, CA 94065 (US). **HOUIX, Maurice**; Oracle Corporation, 500 Oracle Parkway, Redwood Shores, CA 94065 (US).

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(74) Agent: **SHEA, Michael, J.**; Nixon & Vanderhye P.C., Suite 800, 1100 North Glebe Road, Arlington, VA 22201-4714 (US).

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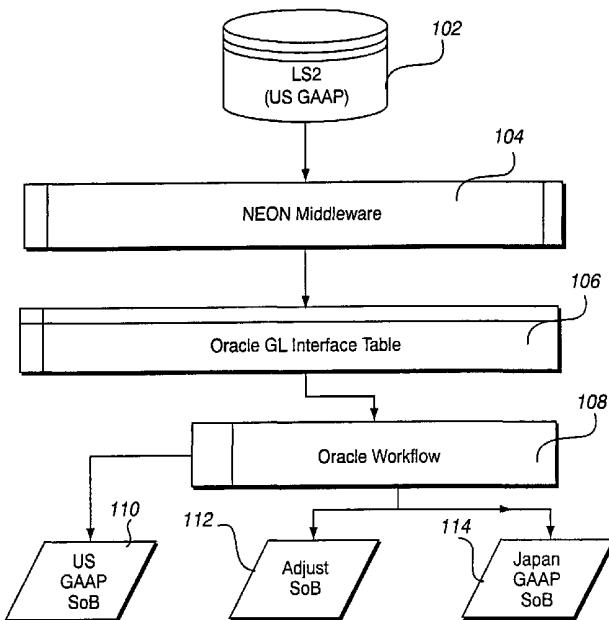
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(54) Title: CONVERSION ENGINE AND FINANCIAL REPORTING SYSTEM USING THE CONVERSION ENGINE



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(57) Abstract: A computerized management system is provided. The system includes a routine (106) for accessing journal entries stored in a memory and an automated journal entry generating routine for generating journal entries for a first set-of-books (110) and for a second set-of-books (114) based on the accessed journal entries. The journal entries for the first set-of-books are in accordance with a first reporting standard and the journal entries for the second set-of-books are in accordance with a second, different reporting standard.



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**CONVERSION ENGINE AND FINANCIAL
REPORTING SYSTEM USING THE CONVERSION ENGINE**

5 **RELATED APPLICATION**

This application claims domestic priority from U.S. Provisional Application No. 60/171,097, filed December 16, 1999. The contents of Application No. 60/ 171,097 are incorporated herein in their entirety.

10 **TECHNICAL FIELD**

The present invention generally relates to a financial reporting system and method and, more particularly, to a financial reporting system and method that generates financial statements for different reporting standards.

15 **BACKGROUND AND SUMMARY OF THE INVENTION**

A financial reporting system for a business is generally composed of different applications. In the case of a bank, these applications may include a general ledger application and a loan-processing application. These applications generate financial statements that are in accordance with relevant generally accepted accounting principals (GAAP). GAAP refers to the set of rules, convention, standards, and procedures for reporting financial information. US GAAP, for example, are established by the Financial Accounting Standards Board (FASB). Differences generally exist between the GAAP of different countries. In view of the multinational environment in which many businesses operate, it would

be desirable to provide a financial reporting system and method that accommodates differences between the GAAP of different countries.

In accordance with one aspect of the present invention, a management system includes a computer-implemented routine for accessing journal entries stored in a computer-readable memory and a computer-implemented journal entry generating routine for automatically generating journal entries for a first set-of-books and for a second set-of-books based on the accessed journal entries. The journal entries for the first set-of-books are in accordance with a first reporting standard and the journal entries for the second set-of-books are in accordance with a second, different reporting standard.

The management system and method described herein provides a single workflow that may be applied to converting a book of original entries in one accounting system to another reporting book in a different accounting system. The system and method allow a user, for example, to set up the accounting method of various items according to any country's GAAP. By way of example, the management system and method described herein provide an automated conversion engine for loan transactions. The conversion engine processes transactions from a lending application and applies a series of rules that automatically generates journal entries that accommodate the differences between US GAAP and Japanese (JP) GAAP. For example, under US GAAP, non-refundable fees associated with a term loan agreement are deferred and amortized over the life of the loan. Under JP GAAP, such fees are treated as immediate income. When a transaction for an up-front fee payment is entered into a

commercial lending application for US GAAP, the commercial lending application generates the entries to defer the fee and amortize it. When the conversion engine of the present invention detects these transactions, it reverses the deferral and treats the fee as income for JP GAAP. The conversion engine 5 also reverses any subsequent amortization because the fee has already been recognized.

The conversion engine is configured to perform similar conversions based on other differences between the US and JP GAAP.

The accompanying drawings, which are incorporated in and constitute a 10 part of the specification, illustrate various features of the present invention and, together with the general description given above and the detailed description provided below, serve to explain the principles of the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

15 FIGURE 1 is a simplified block diagram of a conversion system 10 in accordance with the present invention.

FIGURE 2A shows the general architecture of the financial reporting system 100 using a conversion engine in accordance with an embodiment of the present invention.

20 FIGURE 2B is a flow chart for the conversion engine.

FIGURE 2C illustrates accounting and descriptive Flexfields.

FIGURE 3 illustrates a computer system 200 suitable for implementing a conversion engine in accordance with an embodiment of the present invention.

FIGURE 4 is a flowchart illustrating GAAP conversion by conversion engine 108 for an Upfront fee.

FIGURE 5 is a flowchart illustrating the preparation of Conversion journal entries for an Upfront Fee.

5 FIGURE 6 is a flowchart illustrating Program 1 for preparing a Conversion journal entry (Sales) for an Upfront Fee.

FIGURE 7 is a flowchart illustrating Program 2 for preparing a Conversion journal entry (Charge Off) for an Upfront Fee.

10 FIGURE 8 is a flowchart illustrating Program 3 for preparing a Conversion journal entry (Fee Recognition) for an Upfront Fee.

FIGURE 9 is a flowchart illustrating GAAP Conversion for Loan Held for Sale and Trading Loan.

FIGURE 10 is a flowchart illustrating GAAP Conversion for SBLC Sold.

15 FIGURE 11 is a flowchart illustrating preparation of a Conversion journal entry for SBLC sold.

DETAILED DESCRIPTION

FIGURE 1 is a simplified block diagram of a conversion system 10 in accordance with the present invention. Conversion system 10 includes a 20 conversion engine 12 that is supplied with data records. These data records may be of various types including, but not limited to, records from a commercial lending system, a deposit system, a treasury system, a trade finance system, an accounts payable system, an inventory system, or an accounts receivable system.

Each of these records comprises one or more fields that together constitute the record. For example, in the case of a record from a commercial lending system, the fields may include one or more fields for specifying information about banking facility from which the record originated (e.g., facility type identifier 5 (national, international), branch identifier, department identifier, etc.), one or more fields for specifying information about the customer associated with the record (e.g., customer identifier), and one or more fields specifying the nature of the transaction (loan, standby letter of credit, etc.).

Conversion engine 12 selectively processes these data records in 10 accordance with rules contained in a rules database 14. The processing is selective in the sense that conversion engine examines a certain one or more of the fields in the data record to determine whether a rule for "converting" the data record exists in rules database 14. The rules in rules database 14 are used to "convert" the data records to take into account different treatments of the data 15 contained in the data records by different regulatory authorities, different taxing authorities, different statutory accounting requirements, different generally accepted accounting principles, and the like.

For example, under US GAAP, non-refundable fees associated with a term loan agreement are deferred and amortized over the life of the loan. Under JP 20 GAAP, such fees are treated as immediate income. A commercial lending application used by a US-based financial institution typically generates a data record for such a loan agreement in which the non-refundable fees are deferred and amortized. A data record for an up-front fee payment is supplied to

conversion engine 12. This data record in which the non-refundable fees are deferred and amortized is sent to a US Set of Books (SoB) 16-1 via conversion engine 12. Conversion engine 12 replicates this data record for a JP SoB 16-2 and determines whether any rules in rules database 14 are applicable to the data record. In this case, as mentioned above, under JP GAAP, a non-refundable fee associated with a term loan agreement is treated as immediate income. Thus, a rule exists in rules database 14 for reversing the deferral reflected in the corresponding data record in US SoB 16-1 so that the fee is treated as income for purposes of JP GAAP. Conversion engine 12 also reverses any subsequent amortization because the fee has already been recognized. Thus, the data record written to JP SoB 16-2 is in accordance with JP GAAP.

Conversion engine 12 may also be configured to generate data records for an Adjustment SoB 16-3 that reflect the adjustments made by conversion engine 12. Adjustment SoB 16-3 is used to retain an audit trail and to summarize the cumulative adjustments for subsequent review by controllers, auditors, examiners, etc. Together US SoB 16-1, JP SoB 16-2, and adjustment SoB 16-3 serve as the basis for financial reporting.

Conversion engine 12 may be used without limitation to generate data records for other SoBs as suggested in FIGURE 1.

As mentioned above, conversion system 10 may be used in connection with a commercial lending system, a deposit system, a treasury system, a trade finance system, an accounts payable system, an inventory system, or an accounts receivable system. In what follows, a detailed description is provided of a

conversion engine used in connection with a commercial lending system. This detailed description is provided by way of illustration, not limitation.

The conversion engine described below is typically provided as one component of a management system for a particular business such as a bank. This 5 management system may include various commercially available software applications and the conversion engine described herein interfaces with (perhaps using "middleware"), and uses data generated and output by, these other applications. The description below is given with reference to certain software applications for performing certain functions (e.g., commercial lending, general 10 ledger). These software applications are identified by way of illustration, not limitation. Thus, those of ordinary skill in the art will recognize that the conversion engine of the present invention may be effectively utilized with many different software applications that together make up a management system for a particular business.

15 In particular, the conversion engine described herein is utilized with a commercial lending application known as LS2™ ("LS2"), also known as Loan IQ™ or LIQ™, that was jointly developed by International Business Machines and Bankers Trust; a general ledger application known as Oracle General Ledger™ ("Oracle GL"); and a middleware application MQSI from Neon.

20 The general architecture of a management system 100 including a conversion engine in accordance with an embodiment of the present invention is described with reference to FIGURE 2A. A commercially available commercial lending application 102 (such as the above-mentioned LS2 commercial lending

application) generates journal entries based on the transactions initiated by its users. Commercial lending application 102 may have its own chart of accounts and populates the journal entries to a table such as an Oracle GL-Out Table. For US-based institutions, these journal entries will typically conform to US GAAP.

5 The journal entries, accumulated in detail by account, transaction and customer in the table, are sent through a middleware application 106 (such as the above-mentioned NEON MQSI software) to an interface table 108 of a general ledger application (such as the above-mentioned Oracle GL software). In the particular case of using the LS2 commercial lending application and the Oracle GL general ledger software, for example, there is no conversion of the data in the journal 10 entries by middleware application 106 other than perhaps converting from LS2 GL account to Oracle GL account numbers.

Each journal entry has an Accounting Flex Field (AFF) and a Descriptive Flex Field (DFF). In one particular implementation, the AFF is made up of a 15 combination of a Branch (Facility) Number, a Department identifier, a GL Account Number, and a Control Branch Number. Every journal entry has an AFF composed of these elements. The DFF is context-sensitive, i.e., the elements thereof depend on the type of journal entry. While every journal entry has a descriptive flex field, the elements thereof vary based on the type of journal entry. 20 Examples of elements that may be included in the DFF for a particular type of journal entry include Risk Type, Customer Number, Security IDs, Product and Portfolio. As will be explained below, Portfolio plays a role in the conversion processing.

When the batch entry of journal entries into interface table 106 is complete, an automatic import procedure imports the journal entries into US SoB 110. The imported journal entries may be grouped together using a journal entry header. The journal entries under a journal entry header share a common Business Transaction Code, Accounting (Effective Date), Currency and Risk Type. Upon the successful creation of a journal entry header in the US SoB 110, the entry is replicated from US SoB 110 to JP SoB 114. Conversion engine 108 then does an analysis based on, for example, the Business Transaction Code and/or Portfolio, to determine if any rules affect the replicated entry.

Conversion engine 108 is provided with the following logic functionality:

- 1. Selective Conversion** - Conversion engine 108 is configured to sift through journal entries and select those that are affected by the business rules to be described below based on criteria such as risk type, portfolio type and/or account. "Selective conversion" as used herein includes the capability to effect adjustments to only part of a journal entry.
- 2. Minimum/Maximum Logic** - Conversion engine 108 is provided with logic to determine the minimum or maximum value of an array. This logic is employed for calculating the gain or loss on the sale of loans with premiums or discounts.
- 3. Cross-Referencing** - Conversion engine 108 is configured to reference tables outside the conversion program to look up values. This is employed for determining general ledger accounts that may have been changed to the recalculation of a gain or loss due to GAAP differences.

As mentioned above, after the US GAAP-based journal entries are replicated in JP SoB 114, conversion engine 108 determines whether any rules in a rules database associated with conversion engine 108 are applicable to the replicated journal entries. In one implementation, these rules are organized into 5 two database tables: an exclusion rules table and a reclassification rules table. The exclusion rules in the exclusion rule table reverse journal entries or exclude them from the target set of books and the reclassification rules in the reclassification rules table change or substitute items in the AFF (e.g., the GL Account). If there are rules in the rules database applicable to the replicated 10 journal entries, conversion engine 108 applies these rules so that the journal entries in JP SoB 114 are in accordance with JP GAAP. Conversion engine 108 also makes appropriate journal entries to an adjustment SoB 112. Adjustment SoB 112 is used to retain an audit trail and to summarize the cumulative 15 adjustments for subsequent review by controllers, auditors, examiners, etc. Adjustment SoB 112 is further supported by comprehensive audit trail conversion reports that document the transactions affected by expenses code, portfolio, risk type, transaction reference number, the pre- and post-conversion balances and the purpose of the adjustment (e.g., to reverse the deferral of upfront fees). Together 20 US SoB 110, adjustment SoB 112, JP SoB 114, and the audit trail report serve as the basis for financial reporting.

Certain manual journal entries may be passed to adjustment SoB 112 and JP SoB 114 to accommodate those transactions not covered by the conversion rules in the rules database associated with conversion engine 108. Manual journal

entries are implemented by constructing an interface that permits a user to selectively pass entries to a specified SoB.

Thus, conversion engine 108 is a rules-based engine that selectively applies conversion logic and automates the generation of journal entries for a 5 plurality of different SoBs. The conversion engine is a single flow process in that it is operative as a data record is being processed, i.e., whenever conversion engine detects a data record having a particular characteristic, it applies the appropriate rules from the rules database.

Conversion engine 108 may be implemented using Oracle Workflow™.

10 Oracle Workflow permits users to define and automate business processes, each business process consisting of a series of activities and inter-activity dependencies. Oracle Workflow Builder is a tool that permits users to create, view and/or modify a business process with mouse operations. The Oracle Workflow Engine monitors workflow states and coordinates the routing of 15 activities for a process. An “activity” in a process definition can be an automated function defined by a PL/SQL stored procedure, a notification to a user (that may optionally request a response), or a sub-flow that itself decomposes to a more granular set of activities. A workflow process is initiated when an application calls a set of Oracle Workflow Engine APIs (Application Programming 20 Interfaces). The Oracle Workflow Engine divides the relevant work item defined by the application, through a specific workflow process definition. According to the workflow process definition, the Workflow Engine performs automated steps and invokes appropriate agents when external processing is required. The detailed

description below will enable those skilled in the art to generate (e.g., using Oracle Workflow Builder) business processes for implementing a conversion engine in accordance with the present invention.

The LS2 commercial lending application may run on an IBM 3272.

5 Oracle Financial Statement Generator™ is a report-writing tool that allows users to develop various reports without programming. This tool may sit on an Oracle database (e.g., Version 8.05) running on an IBM RS600/SP with an AIX operating system. This tool can be used, for example, to present financial information by reclassifying and grouping applicable accounts and is usable to
10 handle GAAP conversion items that do not require computation, such as the presentation of certain balance-sheet items.

Finally, NEON™ MQSI software may be used as a middleware tool to provide a data interface between various applications. The NEON software may sit on an Oracle database (e.g., Version 8.05) running on an IBM RS6000/SP with an AIX operating system. For purposes of the GAAP conversion, this middleware ensures the completeness of data necessary for conversion and translates certain LS2-specific data values to Oracle GL values. The middleware application comprises an important part of data reconciliation during daily data posting and GAAP conversion processes. The objective of reconciliation using the
15 middleware tool is twofold: (1) LS2-to-US GAAP, which requires no data manipulation (the primary purpose is to ascertain the completeness and accuracy of data), and (2) LS2-to-JP GAAP, which executes the applicable conversion procedures.
20

FIGURE 2B illustrates a system flow chart for conversion engine 108. A batch file 120 of accumulated journal entries is sent through middleware application 104 (see FIGURE 2A) to interface table 106 of a general ledger application (such as the Oracle GL software). Within Oracle GL, an event alert is triggered (122) whenever any data with SoB IDS for US or JP is inserted or updated. The trigger invokes a Journal Import routine 124 that directs batches to the appropriate SoB (i.e., US SoB 110, Adjustment SoB 112 or JP SoB 114) based on the data in interface table 106. This program imports journals and batches based on relevant arguments into the GL_INTERFACE table for the appropriate SoB.

If a new journal header is created in the US SoB 110, an alert is triggered at 126. This alert triggers a PL/SQL package that constitutes conversion engine 108 and results in processing (128) that replicates entries in US SoB 110 for JP SoB 114.

The Oracle tables used in conversion engine 108 are:

GL_INTERFACES - This table is an interface table to Oracle GL, loaded with different data, i.e., different SoBs, Debit and Credit amounts, GL accounts, specific journal entry line information and source.

GL_JE_BATCHES

20 GL_JE_HEADERS

GL_JE_LINES

GL_JE_CATEGORIES

GL_JE_SOURCES

GL_JE_BATCHES, GL_JE_HEADERS, GL_JE_LINES, GL_JE_CATEGORIES, and GL_JE_SOURCES are used to get the batch/header/line/source/category details of the batch.

Conversion engine 108 then evaluates (128) whether the replicated entries
5 are treated differently under US and JP GAAP by reference to a custom table 130
(SUMI_RULE_ADJUSTMENTS). Table 130 stores adjustment names, rule type
and other segment values. Conversion engine 108 uses the data in this table to
check whether the journal entry category is treated differently under US and JP
GAAP. If the journal entry category exists in table 130, there is a different
10 treatment between US GAAP and JP GAAP. Conversion engine 108 determines
whether this different treatment is based on an exclusion rule at 132 or a
reclassification rule at 134 and prepares the appropriate conversion entry.

SUMI_RULE_EXCLUSIONS table 136 contains those journal entry
categories that are excluded or need to be reversed under JP GAAP. This table
15 stores the exclusion rule numbers, the exclusion rules names and the exclusion
flags. Using the data in table 136, the replicated journal entry in JP SoB 114 is
adjusted at 138 for JP GAAP and an appropriate journal entry is made in
Adjustment SoB 112.

SUMI_RULE_RECLASS table 140 contains those journal entry categories
20 that require a reclassification between GL accounts. This table contains the rule
numbers, reclassification codes, reversal flags, and other segments. Table 140
also contains flags for adjustments to be omitted based on a journal entry category
using an exclusion flag. This table is used with a table 142 called

SUMI_NAT_ACCT. SUMI_NAT_ACCT table 142 is used in conjunction with SUMI_RULE_RECLASS table 140 and contains accounts to be substituted by the reclass rule. The table contains the 'source' Natural Account Segment and the 'target' (adjustment) Natural Account Segment, HO CODE segment, and

5 BRANCH CODE segments.

If the journal entry category of the replicated journal entry exists in SUMI_RULE_RECLASS, there is a different treatment in US and JP GAAP. If the journal entry category is found, conversion engine 108 evaluates the SUMI_NAT_ACCT table 142 for the corresponding adjustment account and an 10 adjustment is made at 144. Together, these tables are used to re-map the GL accounts used in the original entry into a different account in JP SoB 114.

The packages used are WF_ENGINE, WF_CORE, FND_GLOBAL, and FND_REQUEST. WF_ENGINE uses the WF_ENGINE, Get_Item_Attribute_Number to get the relevant Batch attributes of the batch 15 being processed and other procedures in the package to get the Batch properties. WF_CORE is used for context details, FND_GLOBAL is used to initialize the import program parameters, and FND_REQUEST is used to submit the import program from the operating system (OS) level.

The charts of accounts of Oracle GL are comprised of two components: 20 account captions (horizontal) and key segments (vertical). These key segments in Oracle's applications are referred to as "FlexFields". As mentioned above, there are two types of FlexFields: Accounting (required) and Descriptive (optional). Defining the format of the FlexFields before implementation is a minimum

requirement. Since neither Accounting nor Descriptive FlexFields are generally easily modifiable after implementation, it is very important to design them with sufficient care and consideration for future needs. Identification of each of the Accounting and Descriptive FlexFields follow with reference to Figure 1C.

5 Unless otherwise specified, all fields are alphanumeric. Any relationships suggested in Figure 1C are by way of example, not limitation.

Accounting FlexField

A. IBF/DBF Facility

In the US, this field serves to specify the domestic or international banking facility. The default value specifies domestic. In other countries, the segment 10 may be reserved to denote different market jurisdictions under the applicable requirements. A predetermined character string (e.g. 00) may be used to indicate N/A (not applicable).

B. Department

15 This is also known as the cost/profit center code. Each lower-level department has a department code assigned. The first character denotes a department group and the remaining two characters denote a unique department code.

C. GL Account

D. Control Branch

20 This field describes the branch claiming the ownership of a balance or transaction recorded in Oracle GL.

Descriptive FlexField**E. Product Code**

This field is useful for GAAP conversion purposes and producing reports such as profitability. Accounts are grouped by product type and a value is
5 assigned for each of the accounts.

F. Portfolio Code

This field, like the Product Code, is used for GAAP conversion purposes and for producing reports such as profitability.

G. Customer Number**10 H. Transaction Reference Number****I. VAT Identifier**

This field is useful to provide value-added tax computation requirements in a VAT jurisdiction.

LS2**15 J. Customer ID****K. Entity Text Code****L. Expense Code****M. Account Number****N. Risk Type****20 O. Portfolio Type****P. Security ID**

In addition to the above fields, the following data component in the LS2 GL Entry Table is used by conversion engine 108:

GLE_CDE_BUS_TRAN - Business transaction associated with the transaction.

This field is placed in the Category ID field of the Oracle GL's Journal Import Table.

5 Stored PL/SQL-based procedures provide the framework of conversion engine 108 for performing the above-described conversions. These stored procedures may be implemented in any suitable computing environment such as an environment that runs Oracle® Workflow™. FIGURE 3 illustrates a computer system 200 suitable for use in connection with the conversion engine. Computer 10 system 200 includes a processing unit 203 and a system memory 205. A system bus 207 couples various system components including system memory 205 to processing unit 203. System bus 207 may be any of several types of bus structures including a memory bus or memory controller, a peripheral bus, and a local bus using any of a variety of bus architectures. System memory 207 includes read 15 only memory (ROM) 252 and random access memory (RAM) 254. A basic input/output system (BIOS) 256, containing the basic routines that help to transfer information between elements within personal computer system 200, such as during start-up, is stored in the ROM 252. Computer system 200 further includes various drives and associated computer-readable media. A hard disk drive 209 20 reads from and writes to a (typically fixed) magnetic hard disk 211; a magnetic disk drive 213 reads from and writes to a removable "floppy" or other magnetic disk 215; and an optical disk drive 217 reads from and, in some configurations, writes to a removable optical disk 219 such as a CD ROM or other optical media.

Hard disk drive 209, magnetic disk drive 213, and optical disk drive 217 are connected to system bus 207 by a hard disk drive interface 221, a magnetic disk drive interface 223, and an optical drive interface 225, respectively. The drives and their associated computer-readable media provide nonvolatile storage of computer-readable instructions, SQL-based procedures, data structures, program modules, and other data for computer system 200. In other configurations, other types of computer-readable media that can store data that is accessible by a computer (e.g., magnetic cassettes, flash memory cards, digital video disks, Bernoulli cartridges, random access memories (RAMs), read only memories (ROMs) and the like) may also be used.

A number of program modules may be stored on the hard disk 211, removable magnetic disk 215, optical disk 219 and/or the ROM 252 and/or the RAM 254 of system memory 205. Such program modules may include an operating system providing graphics and sound APIs, one or more application programs, other program modules, and program data. A user may enter commands and information into computer system 200 through input devices such as a keyboard 227 and pointing device 229. Other input devices may include a microphone, joystick, game controller, satellite dish, scanner, or the like. These and other input devices are often connected to processing unit 203 through a serial port interface 231 that is coupled to system bus 207, but may be connected by other interfaces, such as a parallel port interface or a universal serial bus (USB). A monitor 233 or other type of display device is also connected to system bus 207 via an interface, such as a video adapter 235.

Computer system 200 may also include a modem 254 or other means for establishing communications over wide area network 252, such as the Internet. Modem 254, which may be internal or external, is connected to system bus 207 via serial port interface 231. A network interface 256 may also be provided for 5 allowing computer system 200 to communicate with a remote computing device 250 via a local area network 258 (or such communication may be via wide area network 252 or other communications path such as dial-up or other communications means). Computer system 200 will typically include other peripheral output devices, such as printers and other standard peripheral devices.

10 GAAP conversions may be viewed as being of one of three different types: a first type involving reclassifications; a second type involving more complex conversion calculations; and a third type involving manual adjustment of journal entries. With reference to the software applications mentioned above, the first type of GAAP conversion may be implemented using Oracle Financial Statement 15 Generator and the second type of GAAP conversion may be implemented using Oracle Alert and Oracle Workflow. Manual adjustment may be utilized in those cases where neither Oracle Financial Statement Generator nor Oracle Workflow and Oracle Alert are practical due to the complexity, materiality or frequency of the transaction. In such cases, the cost of building automated procedures may 20 significantly exceed the expected benefits.

The following table summarizes each type, respective descriptions, and exemplary transactions for each proposed approach:

TRANSACTIONS	APPROACH	DESCRIPTIONS
<ul style="list-style-type: none"> • Ordinary standby letters of credit or guarantees • Loan principals (e.g., on notes or certificates for Japanese GAAP) • Premium or discount on loans issued • Allowance for loan losses 	Financial Statement Generator™	Oracle Financial Statement Generator report writing and flexible presentation capabilities would be sufficient to handle balance-sheet reclassifications and income-statement adjustments that do not affect revenue recognition. No significant computation is executed using Oracle Financial Statement Generator. Data manipulation is implicit and does not affect the physical structure of sets of books.
<ul style="list-style-type: none"> • Certain loan-related fees (e.g., commitment, syndication fees) • Loans held for sale or trading • Standby letters of credit or guarantees sold • Foreign exchange • re-evaluation 	Oracle Alert™ and Workflow™	Oracle Alert's PL/SQL customized capabilities to execute more complex routines to handle GAAP conversion items that require more than reclassifications. Oracle Workflow would facilitate creating entries and postings to sets of books within Oracle General Ledger.
<ul style="list-style-type: none"> • Non-performing loans • Other GAAP adjustments (revaluation of instruments) 	Manual Adjustment	Neither Oracle Financial Analyzer nor Oracle Workflow is practical to handle these GAAP conversion items due to the complexity, materiality, or frequency of the transaction. The costs to build automated procedures may significantly exceed the expected benefits.

A more detailed explanation of these illustrative loan processing application transactions and approaches is provided below.

I. Upfront Loan Fees

US GAAP

5 Statement of Financial Accounting Standards No. 91, *Accounting for Nonrefundable Fees and Costs Associated with Originating or Acquiring Loans and Initial Direct Costs of Loans* ("SFAS No. 91"), establishes the accounting for nonrefundable fees and costs associated with lending, committing to lend, or

purchasing a loan or group of loans. Such nonrefundable (upfront) loan fees, including commitment fees and syndication fees, among others, should be deferred and recognized over the contractual life of the loan or facility as interest or fee income. Whereas the interest method is the preferred method under SFAS 5 No. 91, the straight-line method is also appropriate because of immateriality.

JP GAAP

Upfront loan fees are recognized as fee income when related services are provided (normally when received). No deferral or amortization of these fees as an adjustment of yield is recorded.

10 There are two types of fees-related transactions that affect the GAAP conversion approach: loans originated or purchased at (1) par or (2) discount or premium. For purposes of loan processing GAAP conversion, only type (1) loans (issued at par) are subject to adjustment. Accounting for amortization of discount or premium on loans is substantially the same under both US GAAP and JP 15 GAAP and requires no further computation or reclassification.

A code may be used to differentiate loans issued at par from those at discounts or premiums. For example, if the LS2 loan processing application is used, the "Portfolio Code" may be used for differentiation. "LOANPAR" may be used for loans issued at par, "DISCPREM" for loans issued at a discount or 20 premium.

A1. Issue 1

The LS2 commercial lending application computes amortization of upfront loan fees based on the straight-line method.

A2. Solution/Conversion 1

5 The straight-line method is used as the amortization method because the difference from the interest rate method is immaterial.

B1. Issue 2

The LS2 commercial lending application allows its users to defer and amortize upfront fees as an adjustment to yield or fee income in accordance with 10 FASB Statement No. 91. Therefore, for JP GAAP reporting purposes, the deferral and amortization should be reversed and adjusted to fee income when received.

In addition, the LS2 commercial lending application defers and amortizes as income the “price difference” of the loan (the difference between principal amount and actual price for the loan origination or purchase) as position discount 15 or position premium together with deferred upfront fee income. This accounting treatment is consistent with US GAAP. Even under JP GAAP, the price difference should be deferred and amortized as interest over the life of the loan.

Under the normal practices, the relationship of upfront fees and the loan origination and purchase price are as follows:

20 (1) Regular Loan Origination

- Upfront Fee = Will be paid
- Origination Price = at Par

(2) Regular Loan Purchase

- Upfront Fee = Will be paid
- Purchase Price = at Par

(3) Distressed Loan

5

- Upfront Fee = Will not be paid
- Purchase Price = at Discount

(4) Private Placement Bond

- Upfront Fee = Will not be paid
- Purchase Price = at Discount or Premium

10 In cases (1) and (2), Position Discount or Premium Position account

calculated by the LS2 commercial lending application represents "Upfront Fees" that should be recognized as income immediately under JP GAAP. On the other hand, in cases (3) and (4), Position Discount or Position Premium account calculated by the LS2 commercial lending application represents the price

15 difference that should be deferred and amortized as income under JP GAAP as well as US GAAP.

B2. Solution/Conversion 2**Journal Entry Conversion Summary**

Loan transactions are categorized into first and second transaction types.

20 These two transaction types are created as two different "Portfolios" in the LS2 commercial lending application and a user selects one or the other based on

transaction information. In Oracle GL Interface Table 106, the “Portfolio” of the LS2 commercial lending application is captured as “Portfolio Type” in the Descriptive Flexfield. The first transaction type is Loans Originated/Purchased at Par = (Regular Loan Origination and Regular Loan Purchase) = Portfolio Code 5 “LOANPAR”. The second transaction type is Loans Purchased at Discount or Premium = (Distressed Loan and Private Placement Bond) = Portfolio Code “DISCPREM”. The accounting for the second transaction type (portfolio) is consistent under JP and US GAAP. Therefore, if conversion engine 108 receives US GAAP journal entries related to the second transaction type, no journal entries 10 are made to Adjustment SoB 112 and the US GAAP journal entries are submitted to JP SoB 114 as proper JP GAAP journal entries.

However, the position discount and position premium (including Fees Held Awaiting Disposition and Unfunded Discount) of the first transaction type (portfolio) represents deferred upfront fee that should be credited to income when 15 received under JP GAAP. Accordingly, if conversion engine 108 receives US GAAP journal entries related to the first transaction type, conversion engine 108 generates journal entries for Adjustment SoB 112. Conversion engine 108 combines US GAAP journal entries and GAAP adjustment journal entries to produce proper JP GAAP journal entries.

20 More specifically, US GAAP journal entries generated by the LS2 commercial lending application are submitted to conversion engine 108 together with “Business Transaction Code” and “Portfolio” through Oracle GL Interface

Table 106. If conversion engine 108 receives journal entries for Portfolio Code “Loan Originated/Purchased at Par (LOANPAR)”, it prepares the following GAAP Conversion journal entries for the following “Business Transaction Code” to convert US GAAP journal entries to JP GAAP journal entries:

5 **1. Receipt of Upfront Loan Fee (Business Transaction Code = UFFBR, CPSDC)**

The US GAAP journal entry of the LS2 commercial lending application temporarily records an upfront loan fee received for facility in syndication as a “Fee Held Awaiting Disposition (FHAD)” until syndication is completion. For JP 10 GAAP reporting purposes, upfront loan fees are credited to fee income account “Upfront Loan Fee Income” when received.

a) Conversion Journal Entries

Conversion engine 108 prepares Conversion journal entries for Adjustment SoB 112 to credit the amount of the received upfront fee to “Upfront 15 Loan Fee Income” and debit the amount to “Fee Held Awaiting Disposition (FHAD)” on the date of receipt. Separate “Upfront Fee Income” accounts are created for Loan on Note, Loan Certificate and Other Product, respectively. This journal entry is prepared by the “Upfront Fee Conversion Program 3 (Fee Recognition)” to be described below.

20 **b) JP GAAP Journal Entries**

Conversion engine 108 prepares JP GAAP journal entries for JP SoB 114 by combining (netting) US GAAP journal entries and Conversion journal entries.

Even if reversal entries related to this business event for correction of error or cancellation are received, GAAP conversion can be processed by the same logic and conversion engine.

2. **Distribution to Participating Lender (Paid to Borrower/Seller)**
5 **(Business Transaction Code = EFPFH, CPSDC)**

The US GAAP journal entry of the LS2 commercial lending application debits the amount distributed to a participating lender (or paid to borrower/seller) to "Fee Held Awaiting Disposition (FHAD)". For JP GAAP reporting purposes, the amount paid is debited to the fee income account "Upfront Loan Fee Income" 10 when paid.

a) Conversion Journal Entries

Conversion engine 108 prepares Conversion journal entries for Adjustment SoB 112 to debit the upfront fee distributed to a participating lender to "Upfront Loan Fee Income" and credit the amount to "Fee Held Awaiting Disposition (FHAD)" on the date of payment. As well as receipt of upfront fee, 15 proper "Upfront Fee Income Account" should be used based on type of loan (loan on note, certificate and other). This journal entry is prepared by "Upfront Fee Conversion Program 3 (Fee Recognition)" to be described below.

b) JP GAAP Journal Entries

20 Conversion engine 108 prepares JP GAAP journal entries for JP SoB 114 by combining (netting) US GAAP journal entries and Conversion journal entries. Even if reversal entries related to this business event for correction of error or

cancellation are received, GAAP conversion can be processed by the same logic and conversion engine.

3. Discount Set Up (Deferral of Upfront Loan Fee) (Business Transaction Code = BKRMID)

5 When the syndication is closed, the host bank's share of upfront fee is determined and transferred to position discount (premium) accounts, i.e. "Position Discount (DISC)", "Position Premium (PRMUM)" or "Unfunded Discount (UNFDS)" by the LS2 commercial lending application. For JP GAAP reporting purposes, the amount is already recognized as income and the transfer entries
10 should be reversed.

a) Conversion Journal Entries

Conversion engine 108 prepares Conversion journal entries for Adjustment SoB 112 to debit the amount of transfer to "Position Discount (DISC)" or "Unfunded Discount (UNFDS)" and credit the amount to "Fee Held 15 Awaiting Disposition (FHAD)". In case of premium position, the amount is credited to "Position Premium (PRMUM)" or "Unfunded Discount (UNFDS)" and debited to "Fee Held Awaiting Disposition (FHAD)". This journal entry is prepared by "Upfront Fee Conversion Program 3 (Fee Recognition)" to be described below.

20 b) JP GAAP Journal Entries

Conversion engine 108 prepares JP GAAP journal entries for JP SoB 114 by combining (netting) US GAAP journal entries and Conversion journal entries.

In this case, Conversion journal entries will offset US GAAP journal entries and no journal entries are passed to JP SoB 114. Even if reversal entries related to this business event for correction of error or cancellation are received, GAAP conversion can be processed by the same logic and conversion engine.

5 **4. Syndication Completion (Business Transaction Code = CBUY, CCAN, CSEL)**

Under US GAAP, as the syndication is closed, the remainder in “Fee Held Awaiting Disposition (FHAD)” after distribution to participating lender and transfer to discount account is credited to “Syndication Fee (SYNFM)” as fee income. However, for JP GAAP reporting purposes, the upfront loan fee is already recognized as income. Thus, the US GAAP journal entry should be reversed.

10 **a) Conversion Journal Entries**

Conversion engine 108 prepares Conversion journal entries for Adjustment SoB 112 to reverse US GAAP entry regarding recognition of the remaining upfront fee in “Fee Held Awaiting Disposition (FHAD)” as “Syndication Fee (SYNFM)” by debiting the amount to “Syndication Fee (SYNFM)” and crediting to “Fee Held Awaiting Disposition (FHAD)”. This journal entry is prepared by “Upfront Fee Conversion Program 3 (Fee Recognition)” to be described below.

20 **b) JP GAAP Journal Entries**

Conversion engine 108 prepares JP GAAP journal entries for JP SoB 114

by combining (netting) US GAAP journal entries and Conversion journal entries. In this case, Conversion journal entries will offset US GAAP journal entries and no journal entries are passed to JP SoB 114. Even if reversal entries related to this business event for correction of error or cancellation are received, GAAP conversion can be processed by the same logic and conversion engine.

5 **5. Amortization of Position Discount and Premium (Business Transaction Code =FAMRT, CDECR)**

The LS2 commercial lending application prepares a US GAAP journal entry regarding amortization of discount accounts by debiting calculated 10 amortization amount to “Position Discount (DISC)”, Position Premium (PRMUM) or “Unfunded Discount (UNFDS)” and crediting the amount to “Amort. Commitment Fee Income (ACOMF)” or “Amort. Interest Income - Orig. Fees (AINTI)”. For JP GAAP reporting purposes, the fee deferred as discount accounts is already recognized as income and the amortization entries should be 15 reversed.

a) Conversion Journal Entries

Conversion engine 108 prepares the Conversion journal entry for Adjustment SoB 112 to reverse US GAAP journal entries regarding amortization of discount accounts, i.e. debit to “Amort. Commitment Fee Income (ACOMF)” 20 or “Amort. Interest Income - Orig. Fees (AINTI)” and credit to “Position Discount (DISC)” or “Unfunded Discount (UNFDS)”. In the case of premium position, the amount is debited to “Position Premium (PRMUM)” or “Unfunded Discount

(UNFDS)" and credited to "Amort. Commitment Fee Income (ACOMF)" or "Amort. Interest Income - Orig. Fees (AINFI)". This journal entry is prepared by "Upfront Fee Conversion Program 3 (Fee Recognition)" to be described below.

b) JP GAAP Journal Entries

5 Conversion engine 108 prepares JP GAAP journal entries for JP SoB 114 by combining (netting) US GAAP journal entries and Conversion journal entries. In this case, Conversion journal entries offset US GAAP journal entries and no journal entries are passed to JP SoB 114. Even if reversal entries related to this business event for correction of error or cancellation is received, GAAP
10 conversion can be processed by the same logic and conversion engine.

**6. Transfer to Non Accrual Status (Business Transaction Code
=DLTNA, OTNAC)**

If the loan becomes non-performing (non-accrual status) loan, "Position Discount" and "Position Premium" are transferred to related non-accrual accounts, i.e. "Position Discount - Non-Accrual" and "Position Premium - Non-Accrual". For JP GAAP purposes the Discount and Premium are already recognized as income. Therefore, conversion engine 108 prepares GAAP Conversion journal entries to reverse the transfer entries.

a) Conversion Journal Entries

20 Conversion engine 108 prepares the Conversion journal entry for Adjustment SoB 112 to reverse US GAAP journal entries regarding the account transfer by debiting the amount to "Position Discount (DISC) - Non-Accrual" and

crediting to "Position Discount (DISC) - Accrual" or debiting to "Position Discount (DISC) - Accrual" and "Position Premium (PRMUM) - Non- Accrual".

This journal entry is prepared by "Upfront Fee Conversion Program 3 (Fee Recognition)" to be described below.

5 **b) JP GAAP Journal Entries**

Conversion engine 108 prepares JP GAAP journal entries for JP SoB 114 by combining (netting) US GAAP journal entries and Conversion journal entries. In this case, Conversion journal entries will offset US GAAP journal entries and no journal entries are passed to JP SoB 114. Even if reversal entries related to this 10 business event for correction of error or cancellation is received, GAAP conversion can be processed by the same logic and conversion engine.

7. **Transfer Back to Accrual Status (Business Transaction Code =DLTAC, OTACC)**

If the non performing (non accrual status) loan becomes performing 15 (accrual status), the transfer back from Non-Accrual accounts to Accrual accounts of "Position Discount" and "Position Premium" is made by the LS2 commercial lending application. For JP GAAP purposes, the original transfer entries (from accrual to non accrual) are reversed and therefore, conversion engine 108 prepares Adjustment journal entries to reverse the transfer back entries.

20 **a) Conversion Journal Entries**

Conversion engine 108 prepares the Conversion journal entries for Adjustment SoB 112 to reverse US GAAP journal entries by debiting "Position

Discount (DISC) - Accrual" and crediting to "Position Discount (DISC) - Non-Accrual" or debiting to "Position Discount (DISC) - Non Accrual" and "Position Premium (PREM) - Accrual". This journal entry is prepared by "Upfront Fee Conversion Program 3 (Fee Recognition)" to be described below.

5 **b) JP GAAP Journal Entries**

Conversion engine 108 prepares JP GAAP journal entries for JP SoB 114 by combining (netting) US GAAP journal entries and Conversion journal entries. In this case, Conversion journal entries offset US GAAP journal entries and no journal entries are passed to JP SoB 114. Even if reversal entries related to this 10 business event for correction of error or cancellation are received, GAAP conversion can be processed by the same logic and conversion engine.

8. Sale of Loan (Business Transaction Code =FSADJ, PLSAD)

When a loan is sold, under US GAAP, unamortized discount/premium accounts are disposed and realized as adjustment to "Gain on Sale (GNOSL)" and 15 "Loss on Sale (LSOSL)". Under JP GAAP, the unamortized amount is already recognized as income when received/paid. Therefore, US GAAP amount of "Gain on Sale (GNOSL)" should be adjusted by the unamortized amount of discount/premium.

a) Conversion Journal Entries

20 Conversion engine 108 prepares the Conversion journal entries for Adjustment SoB 112 that are necessary to adjust gain and loss on sale by the unamortized amount of discount/premium account at the time of sale. For

example the unamortized discount will be debited to “Gain on Sale (GNOSL)” or “Loss on Sale (LSOSL)” and credited to “Position Discount (DISC)” or “Unfunded Discount (UNFDS)”. In the case of unamortized premium, the amount is credited to “Gain on Sale (GNOSL)” or “Loss on Sale (LSOSL)” and debited to “Position Premium (PRMUM)” or “Unfunded Discount (UNFDS)”.
5 This journal entry is prepared by “Upfront Fee Conversion Program 1 (Sale)” to be described below. -

b) JP GAAP Journal Entries

Conversion engine 108 prepares JP GAAP journal entries for JP SoB 114
10 by combining (netting) US GAAP journal entries and Conversion journal entries. Even if reversal entries related to this business event for correction of error or cancellation are received, GAAP conversion can be processed by the same logic and conversion engine.

9. Charge-Off of Loan (Business Transaction Code = CHOFF)

15 Under US GAAP, charge-off amount of loan can be applied to “Discount Position (DISC)” and the offset will reduce the amount to be debited to “Loss on Charge-Off (ALLOW)”. Also, “Position Discount (PRMUM)” will be charged off as well as principal amount and it will increase “Loss on Charge Off (ALLOW)”. However, for JP GAAP reporting purposes, the fee deferred as
20 “Position Discount (DISC)” or “Position Premium (PRMUM)” is already recognized as income (negative income) when received (or paid). Accordingly, the amount of Premium and Discount (including “Unfunded Discount (UNFDS)”)

should be adjusted to “Loss on Charge Off (ALLOW)” under JP GAAP.

a) Conversion Journal Entries

Conversion engine 108 prepares Conversion journal entries for Adjustment SoB 112 to credit “Discount Position (DISC)” or “Unfunded Discount (UNFDS)” and debit “Loss on Charge-Off (ALLOW)”. For premium positions, 5 the entry should be debited to “Position Premium (PRMUM)” or “Unfunded Discount (UNFDS)” and credited to “Loss on Charge-Off (ALLOW)”. This journal entry is prepared by “Upfront Fee Conversion Program 2 (Charge-Off)” to be described below.

b) JP GAAP Journal Entries

Conversion engine 108 prepares JP GAAP journal entries for JP SoB 114 by combining (netting) US GAAP journal entries and Conversion journal entries. Even if reversal entries related to this business event for correction of error or cancellation are received, GAAP conversion can be processed by the same logic 15 and conversion engine.

10. Other Transactions

The LS2 commercial lending application also creates upfront fee related journal entries for other loan related transactions. These transactions are adjustments to and transfers between discount position, premium position, unfunded discount and related PL accounts. For JP GAAP purposes, all these 20 entries related to upfront fee should be reversed. Accordingly, for loan related transactions for Business Transaction Codes other than above, US GAAP Journal

Entries should be converted to JP GAAP using Program 3 (Fee Recognition).

Even if reversal entries related to this business event for correction of error or cancellation are received, GAAP conversion can be processed by the same logic and Conversion Program.

5 Table I provide sample journal entries (Journal Entries for Upfront Loan Fee).

Other Interface Information

Other interface information for US SoB, e.g. "Date of Creation", "Accounting Date", "Product Code", "Customer Code" etc. is submitted to 10 Adjustment SoB 112 and JP SoB 114 without modification except for "Group ID". The "Group ID" for "US SoB" is "US GAAP". This is replaced with "Conversion" and "JP GAAP" for Adjustment SoB and JP SoB, respectively.

FIGURE 4 is a flowchart illustrating GAAP conversion by conversion engine 108 for Upfront fees. Conversion engine 108 checks the "Portfolio" of the 15 journal entry (ST 302) to determine if "Portfolio" = "LOANPAR (i.e., "Loans Originated/Purchased at Par"). If not, the "Group ID" is modified to "JP GAAP" at ST 306 and exported to JP SoB 114 at ST 308. If so, control passes to ST 304 where conversion engine 108 checks the "Business Transaction Code" of the LS2 commercial lending application (which is captured in Oracle Interface Table 106 20 as "Journal Categories") to determine whether it is an upfront fee related code (such as one of those identified above or one of those listed in FIGURE 3). If not, the journal entry is passed to JP SoB 114 via ST 306 and ST 308 as mentioned

above. If so, a Conversion journal entry is prepared at ST 310. The details of preparing a Conversion journal entry will be discussed below.

After a Conversion journal entry is prepared, JP GAAP journal entries are prepared at ST 312 based on the US GAAP journal entries and the Conversion journal entries. The JP GAAP journal entries are prepared by netting out the US and Conversion journal entries and modifying the "Group ID" to "JP GAAP".

The JP GAAP journal-entries are exported to JP SoB 114 at ST 314. The Conversion journal entries prepared at ST 310 are exported to Adjustment SoB 112 at ST 316.

FIGURE 5 is a flowchart illustrating the preparation of Conversion journal entries for an Upfront Fee. At ST 402, conversion engine 108 determines if the "Business Event Code" is "PLSAD" (Sale of Loan). If so, the Conversion journal entries are prepared at ST 404 using Program 1 (Sale). If not, conversion engine 108 then determines if the "Business Transaction Code" is "CHOFF" (Charge Off of Loan) (ST 406). If so, the Conversion journal entries are prepared at ST 408 using Program 2 (Charge Off). If not, the Conversion journal entries are prepared at ST 410 using Program 3 (Fee Recognition).

Information other than Discrepancy Reports (DR)/Change Requests (CR) indicator, account number and amount are extracted at ST 412. The Conversion journal entry is completed and all information is merged at ST 414.

Conversion engine 108 converts journal entries on only accounts related to deferral and amortization of Upfront Loan Fee ("Upfront Fee Related Accounts"). Illustrative "Upfront Fee Related Accounts" in one implementation of the LS2

commercial lending application are listed in Table II below. The business transaction codes that are affected by GAAP Conversion are also listed.

Program 1 (Sale)

In order to prepare Conversion journal entries, conversion engine 108
5 extracts all the entries to the "Upfront Fee Related Accounts" in US GAAP
journal entries. Conversion engine 108 then reverses these entries and posts the
net amount to "Gain on Sale of Loan" or "Loss on Sale of Loan" as an adjustment
to these amounts. Accordingly, "Dr/Cr Indicator" of all the US GAAP journal
entries to the "Upfront Fee Related Accounts" should be reversed and net amount
10 entered as debit or credit account of "Upfront Fee Income" to balance the
Conversion journal entries.

FIGURE 6 is a flowchart illustrating Program 1 for preparing a
Conversion journal entry (Sales) for an Upfront Fee. At ST 502, DR/CR Indicator
and the Amount of US GAAP entries for Upfront Fee Related Accounts are
15 extracted from the US GAAP journal entries. At ST 504, the DR/CR indicator of
Upfront Fee Related Accounts are reversed. At ST 506, the net amount of
Upfront Fee Related Accounts is calculated and, at ST 508, the DR/CR indicator
and amount of US GAAP entries for gain or loss on sale accounts are extracted
from the US GAAP journal entries. At ST 510, it is determined whether the
20 DR/CR indicators of the net amount are equal to the DR/CR indicator of the gain
(or not equal to the DR/CR indicator of the loss). If so, at ST 512, "Gain ADJ" is
calculated as "Gain ADJ" = MAX(Net Amount - Loss on Sale, 0) and "Loss ADJ"

is calculated as “Loss ADJ” = $\text{MIN}(\text{Net Amount}, \text{Loss on Sale})$. Then, at ST 514, “DR/CR Indicator” of Net Amount is assigned to both of Gain on Sale and Loss on Sale and the amount of “Gain ADJ” is assigned to Gain on Sale and the amount of “Loss ADJ” is assigned to Loss on Sale.

5 If it is determined at ST 510 that the DR/CR indicators of the net amount are not equal to the DR/CR indicator of the gain (or not equal to the DR/CR indicator of the loss), then at ST 516, “Gain ADJ” is calculated as “Gain ADJ” = $\text{MIN}(\text{Net Amount}, \text{Gain on Sale})$ and “Loss ADJ” is calculated as “Loss ADJ” = $\text{MAX}(\text{Net Amount}-\text{Gain on Sale}, 0)$. At ST 518, “DR/CR Indicator of Net 10 Amount is assigned to both Gain on Sale and Loss on Sale and the Amount of “Gain ADJ” is assigned to Gain on Sale and the Amount of “Loss ADJ” is assigned to Loss On Sale.

At ST 520, the Conversion journal entries of Program 1 are completed and all the elements of the journal entries are netted out.

15 **Computation of Adjustment to Gain and Loss**

More specifically, the amount to be adjusted to “Gain on Sale (GNOSL)” or “Loss on Sale (LSOSL)” as Conversion journal entries should be determined as follows:

i) **Unamortized Discount**

20 Amount to be adjusted to “Gain on Sale (GNOSL)” = Minimum (Unamortized Discount under US GAAP, “Gain on Sale (GNOSL)” under US GAAP), and

Amount to be adjusted to “Loss on Sale (LSOSL)” = Maximum
(Unamortized Discount under US GAAP - “Gain on Sale (GNOSL)” under US
GAAP, 0)

If the US GAAP journal entry is a normal sale transaction, the adjustment
5 amount should be debited to “Gain on Sale (GNOSL)” and “Loss on Sale
(LSOSL)” and credited to “Position Discount (DISC)” or “Unfunded Discount
(UNFDS)” to prepare the Conversion journal entry.

If the US GAAP journal entry is a reversal of original sale transaction for
correction, the adjustment amount should be credited to “Gain on Sale (GNOSL)”
10 and “Loss on Sale (LSOSL)” and debited to “Position Discount (DISC)” or
“Unfunded Discount (UNFDS)” to prepare the Conversion journal entry.

ii) **Unamortized Premium**

Amount to be adjusted to “Gain on Sale (GNOSL)” = Maximum
(Unamortized Premium under US GAAP - “Gain on Loss (LSOSL)” under US
15 GAAP, 0) and

Amount to be adjusted to “Loss on Sale (LSOSL)” = Minimum
(Unamortized Premium under US GAAP, “Gain on Loss (LSOSL)” under US
GAAP).

If the US GAAP journal entry is normal sale transaction, the adjustment
20 amount should be credited to “Gain on Sale (GNOSL)” and “Loss on Sale
(LSOSL)” and debited to “Position Discount (DISC)” or “Unfunded
Discount(UNFDS)” to prepare the Conversion journal entry.

If the US GAAP journal entry is a reversal of original sale transaction for correction, the adjustment amount should be debited to “Gain on Sale (GNOSL)” and “Loss on Sale (LSOSL)” and credited to “Position Discount (DISC)” or “Unfunded Discount (UNFDS)” to prepare the Conversion journal entry.

5 Examples of adjustments to Gain and Loss on Sale are shown in Table III (Gain and Loss on Loan Sale).

Program 2 (Charge Off)

In order to prepare Conversion journal entries, conversion engine 108 extracts all the entries to the “Upfront Fee Related Accounts”. Conversion 10 engine 108 then reverses these entries and posts the net amount to “Loss On Charge Off (ALLOW)” as adjustments to the account. Conversion engine 108, accordingly, will reverse “Dr/Cr Indicator” of all the US GAAP journal entries to the “Upfront Fee Related Accounts” and enter the net amount to debit or credit account of “Loss On Charge Off (ALLOW)” to balance the Conversion journal 15 entries.

FIGURE 7 is a flowchart illustrating Program 2 for preparing a Conversion journal entry (Charge Off) for an Upfront Fee. At ST 602, DR/CR Indicator and the Amount of US GAAP entries for Upfront Fee Related Accounts are extracted from the US GAAP journal entries. At ST 604, the DR/CR indicator 20 of Upfront Fee Related Accounts are reversed. At ST 606, the net amount of Upfront Fee Related Accounts is calculated and at ST 608 it is determined whether “Net Amount” = CR Balance. If so, “CR” is assigned as the DR/CR

indicator and the Amount of Net CR Balance is assigned to Loss on Charge Off at ST 610. If not, "DR" is assigned as the DR/CR indicator and the Amount of Net DR Balance is assigned to Loss on Charge Off at ST 612.

At ST 614, the Conversion journal entries of Program 2 are completed and
5 all the elements of the journal entries are netted out.

Program 3 (Fee Recognition)

In order to prepare Conversion journal entries, conversion engine 108 extracts all the entries to the "Upfront Fee Related Accounts". Conversion engine 108 then reverses these entries and posts the net amount to "Upfront Fee Income" 10 as adjustments to the account (or an offset account). Conversion engine 108, accordingly, will reverse "Dr/Cr Indicator" of all the US GAAP journal entries to the "Upfront Fee Related Accounts" and enter the net amount to debit or credit account of "Upfront Fee Income" to balance the Conversion journal entries.

"Upfront Fee Income" is created for Loan on Notes (A/C # 544301
15 Upfront Loan Fee Income (Loan on Note)), Loan on Certificate (A/C # 544302 Upfront Loan Fee Income (Loan on Certificate)) and other products (A/C # 544303 Upfront Loan Fee Income (Other)), respectively. These account distributions are determined based on "Risk Type" supplied from the LS2 commercial lending application and captured in the Oracle interface table 106.

20 FIGURE 8 is a flowchart illustrating Program 3 for preparing a Conversion journal entry (Fee Recognition) for an Upfront Fee. At ST 702, DR/CR Indicator and the Amount of US GAAP entries for Upfront Fee Related

Accounts are extracted from the US GAAP journal entries. At ST 704, the net amount of Upfront Fee Related Accounts is calculated and at ST 706 it is determined whether "Net Amount" = CR Balance. If so, "CR" is assigned as the DR/CR indicator at ST 708 and it is determined at ST 710 whether Risk Type = DR/CR indicator at ST 708 and it is determined at ST 710 whether Risk Type =

5 Loan on Certificate Group. If so, the Amount of Net CR Balance is assigned to "Upfront Fee (Loan Cert)" at ST 712. If not, the Amount of Net CR Balance is assigned to "Upfront Fee (Loan on Note)" at ST 714.

If at ST 706, it is determined that "Net Amount" does not equal CR Balance, at ST 716, "DR" is assigned as the DR/CR indicator and the Amount of

10 Net DR Balance is assigned to Loss on Charge Off. Then, at ST 718, it is determined whether Risk Type = Loan on Certificate Group. If so, the Amount of Net DR Balance is assigned to Upfront Fee (Loan on Cert) at ST 720. If not, the Amount of Net DR Balance is assigned to "Upfront Fee (Loan on Note)" at ST 722.

15 At ST 724, the Conversion journal entries of Program 3 are completed and all the elements of the journal entries are netted out.

II. Loans Held for Sale

US GAAP

Loans held for sale are reported at the Lower of Cost or Market Value

20 (LOCOM).

JP GAAP

Loans held for sale are reported at cost.

A. Issues

In accordance with US GAAP, loans held for sale are reported at the Lower of Cost or Market Value (LOCOM). In accordance with JP GAAP, loans held for sale are reported at cost. The LS2 commercial lending application 5 allows users to value facility held for sale at LOCOM in accordance with US GAAP (AICPA's Guideline). A user may chose an accounting method for facility held for sale in compliance with JP GAAP that requires the Cost Method. Users in US branches select LOCOM for accounting for facility held for sale in accordance with AICPA's Guideline. Therefore, for JP GAAP 10 reporting purposes, unrealized losses recognized under US GAAP should be reversed.

B. Solution/Conversion**Journal Entry Conversion Summary**

All the US GAAP journal entries regarding LOCOM revaluation are 15 reversed using conversion engine 108 to create proper JP GAAP accounting consequences. The journal entries to reverse US GAAP journal entries are submitted to Adjustment SoB 112 as Conversion journal entries. In this case, no JP GAAP journal entries are submitted to JP SoB 114.

Journal Entry Conversion Detail

20 The LS2 commercial lending application records LOCOM valuation loss via end of day batch entry ("EOD Batch Entry") by posting life-to-date unrealized loss on Trade Date Available Position and Open Sale Position (sold but not settled) and reversing corresponding amount at end of previous day. The

LS2 commercial lending application generates these journal entries for the
"Business Transaction Code" = DLYPL (Daily Posting of Unrealized P&L).

US SoB interface information includes "Business Transaction Code",
Oracle GL Account Code", "DR/CR Identifier" "Amount" as well as other
5 information required for accounting purposes. If conversion engine 108
receives journal entries for LOCOM revaluation, i.e. "Business Transaction
Code" = "DLYPL" (This is captured as "Journal Categories Name" in Oracle
Interface Table") , conversion engine 108 prepares the Conversion journal
entries and submits the entries to the Adjustment SoB.

10 (1) **Conversion Journal Entries**

Conversion engine 108 prepares Conversion journal entries to reverse US
GAAP journal entries regarding posting and reversing LOCOM valuation loss.
These entries are prepared by reversing all the "DR/CR Identifier" of US GAAP
journal entries related to LOCOM valuation.

15 (2) **JP GAAP Journal Entries**

In this case, no journal entries are submitted to JP SoB 114 because JP
GAAP requires no LOCOM valuation for loans.

Table IV shows sample journal entries (Journal Entries for Loan Held for
Sale) and FIGURE 9 is a high level flowchart (GAAP Conversion for Loan Held
20 for Sale and Trading Loan).

At ST 802, conversion engine 108 determines whether the Business
Transaction Event Code = "DLYPL." If so, the "Group ID" is modified to "JP
GAAP" at ST 804 and the JP GAAP journal entries are exported to JP SoB 114

at ST 806. If the Business Event Code does not equal "DLYPL", a reversal entry is prepared (DR/CR Indicators are reversed) at ST 808 and the reversal journal entry is exported to Adjustment SoB 112 at ST 810.

Other interface information for US GAAP General Ledger, e.g. "Date of Creation", "Accounting Date", "Product Code", "Customer Code" etc. are submitted to Adjustment SoB 112 without modification except for "Journal Category Name". "Journal Category Name" for "US SoB" is "US GAAP"; however, this will be replaced with "Conversion" for Adjustment journal entries.

10 **III. Loans Held for Trading**

US GAAP

Loans held for trading are marked to market.

JP GAAP

Loans held for sale are reported at cost.

15 **A. Issues**

In accordance with US GAAP, loans held for trading are marked to market (MTM). In accordance with JP GAAP, loans held for sale are reported at cost. The LS2 commercial lending application allows users to value facility held for trading at mark to market in accordance with US GAAP. Users may also chose an accounting method for facility held for trading in compliance with JP GAAP which requires the Cost Method. However, users in US branches will select mark to market accounting for facility held for trading in accordance

with US GAAP; therefore, for JP GAAP reporting purposes, unrealized gain/losses recognized under US GAAP should be reversed.

B. Solution/Conversion

Journal Entry Conversion Summary

5 All the US GAAP journal entries regarding MTM revaluation are reversed by using conversion engine 108 to create proper JP GAAP accounting consequences. The journal entries to reverse US GAAP journal entries are submitted to Adjustment SoB 112 as Conversion journal entries. In this case, no JP GAAP journal entries are submitted to JP SoB 114.

10 **Journal Entry Conversion Detail**

The LS2 commercial lending application records MTM revaluation gain/loss via end of day batch entry ("EOD Batch Entry") by posting life-to-date unrealized gain/loss on Trade Date Available Position and Open Sale Position (sold but not settled) and reversing corresponding amount at end of 15 previous day. The LS2 commercial lending application generates these journal entries for the "Business Transaction Code" = DLYPL (Daily Posting of Unrealized P&L).

US SoB interface information includes "Business Transaction Code", "Oracle GL Account Code", "DR/CR Identifier", "Amount" as well as other 20 information required for accounting purposes. If conversion engine 108 receives journal entries for MTM revaluation, i.e. "Business Transaction Code" = "DLYPL" (this is captured as "Journal Categories Name" in Oracle

Interface Table), conversion engine 108 prepares the Conversion journal entries and submits the entries to the Adjustment SoB.

(1) Conversion Journal Entries

Conversion engine 108 prepares Conversion journal entries to reverse US
5 GAAP journal entries regarding posting and reversing MTM valuation
gain/loss. These entries are prepared by reversing all the “DR/CR Identifier”
of US GAAP journal entries related to MTM valuation.

(2) JP GAAP Journal Entries

In this case, no journal entries are submitted to JP SoB 114 because JP
10 GAAP requires no MTM valuation for loans.

Table V shows sample journal entries (Journal Entries for Trading Loan) and FIGURE 9 shows the high level flowchart (GAAP Conversion for Loan Held for Sale and Trading Loan).

Other interface information for US SoB, e.g. “Date of Creation”,
15 “Accounting Date”, “Product Code”, “Customer Code” etc. is submitted to
Adjustment SoB 112 and JP SoB 114 without modification except for “Group
ID”. The “Group ID” for “US SoB” is “US GAAP”; however, this is replaced
with “Conversion” for Adjustment SoB.

IV. Stand-by Letters of Credit or Guarantees**US GAAP**

Stand-by Letter of Credit, Guarantees, and Other Risk Participation generally have no immediate accounting effect (though memorandum entries will 5 be made as contingent liabilities).

JP GAAP

Stand-by Letter of Credit, Guarantees, and Other Risk Participation are recorded on the balance sheet as contingent liabilities. Related contingent receivables are also recorded on the balance sheet in the same amount. (Actual 10 Balance Sheet Entry).

A. Issue

The LS2 commercial lending application originates journal entries for SBLCs and Guarantees as memorandum entries in accordance with US practices. To comply with JP GAAP, these entries are reclassified into balance sheet entries.

15 B. Solution/Conversion

The LS2 commercial lending application books SBLC and Guarantee principal as memorandum entry in accordance with US GAAP. However, JP GAAP and US GAAP financial statements can have different summarization of accounts because Oracle General Ledger system will have separate SoB for JP 20 GAAP and US GAAP, respectively. When General Ledger system compiles JP GAAP financial statement based on JP SoB, SBLC and Guarantee principal account and its offset account will be included in balance sheet as "Customer's

Liability on Acceptance and Guarantee" and "Acceptance and Guarantee Outstanding", respectively. When General Ledger system compiles US GAAP financial statement based on US SoB, SBLC and Guarantee principal account and its offset account will not be included in the balance sheet.

5 **V. Stand-by Letters of Credit or Guarantees Sold**

US GAAP

Stand-by Letter of Credit and Guarantee Sold are recorded as contingent liability (Memorandum Entry).

JP GAAP

10 Stand-by Letter of Credit and Guarantee Sold are recorded as contingent liability (Actual Balance Sheet Entry).

A. Issue

If SBLC and Guarantee is sold, the LS2 commercial lending application reclassifies the debit account of memo entry from the account for own share to 15 the account for participant share. The resultant entries will be as follows:

Dr) LC Principal Account (LCPRN)

Dr) LC Principal Sold (LCSLD)

Cr) LC Principal Offset (LCCON)

JP GAAP treatment is basically consistent with US GAAP treatment.

20 However, some MIS systems may be designed to record the LC sold amount separately not only to debit account but also to credit account (Offset Account).

B. Solution/Conversion

Journal Entries Conversion Summary

Conversion engine 108 prepares Conversion journal entries to separate the sold amount included in “LC Principal Offset (LCCON)” and record the amount 5 as “LC Principal Sold Offset (SDCON)”.

Journal Entries Conversion Detail

If conversion engine 108 receives journal entries related to LC Principal, it performs the following computation:

Value A= LC Principal Sold (LCSLD)

10 Value A will be deducted from LC Principal Offset (LCCON) and recorded as “LC Principal Sold Offset (SDCON)”.

In normal LC issuance transactions, the balance of LC Principal (LCCON) is credit account and the Conversion journal entries will be as follows:

Dr) LC Principal Offset (LCCON)

15 Cr) LC Principal Sold Offset (SDCON)

In reduction of LC principal, e.g. cancellation or expiration, the Conversion journal entry is as follows:

Dr) LC Principal Sold Offset (SDCON)

Cr) LC Principal Offset (LCCON)

20 Table VI shows sample journal entries (Journal Entries for SBLC Sold).

FIGURE 10 is a flowchart showing GAAP Conversion for SBLC Sold. At ST 902, it is determined whether the Business Transaction Code = “LCDRP”, “SRCLS”, “SBTAC” or “SBTNA”. If not, the “GroupID” is modified to “JP

GAAP" at ST 904 and the JP GAAP journal entries are exported to JP SoB 114 at ST 906. If the Business Transaction Code is equal to "LCDRP", "SRCLS", "SBTAC" or "SBTNA", a Conversion journal entry is prepared at ST 908 as will be described in greater detail with reference to FIGURE 11. US GAAP journal entries and Conversion journal entries are used at ST 910 to prepare JP GAAP journal entries. The US GAAP and Conversion journal entries are netted out and the "Group ID" is modified to "JP GAAP". The JP GAAP journal entries are exported to JP SoB 114 at ST 912. The Conversion journal entries are exported to Adjustment SoB at ST 914.

FIGURE 11 is a flowchart illustrating preparation of a Conversion journal entry for SBLC sold. At ST 1002, the DR/CR indicator and the amounts of the US GAAP journal entries for Account #291501, 292502 or 293501 are extracted. At ST 1004, a journal entry for LC Outstanding Offset (491001) is prepared by assigning Account number 491001, assigning the extracted amount and assigning the extracted DR/Cr indicator. At ST 1006, a journal entry for LC Outstanding Sold Offset (491501) is prepared by assigning Account number 491501, assigning the extracted amount and reversing the extracted DR/CR indicator. At ST 1008, all other information for the journal entries (other than DR/CR indicator, Account Number and Amount) is extracted. When the journal entries are completed, all the information is merged at ST 1010.

VI. Presentation of Premium/Discount on Loans**US GAAP**

Premium/discount on loan is deducted from loan principal amount for US GAAP financial statement presentation.

5

JP GAAP

Loan balances are presented at principal amount. Premium and discount are presented as prepaid expenses and unearned income, respectively, (separate balance sheet item) rather than a deduction from loan balances.

10

A. Issue
Presentation of premium and discount on loans are different in US GAAP and JP GAAP financial statement. Premium and discount is deducted from loan balances in US GAAP financial statements while premium and discount is separately presented as prepaid expenses and unearned income in JP GAAP financial statements.

15

B. Solution/Conversion

The LS2 commercial lending application has separate GL accounts for premium and discount on loan in addition to an account for principal amount. JP GAAP and US GAAP financial statements can have different summarization of accounts because the General Ledger system will have separate SoBs for JP GAAP and US GAAP, respectively. When the General Ledger system compiles JP GAAP financial statement based on JP SoB 114, premium and discount on loan will be included in "Prepaid Expenses" and "Unearned Income".

respectively. When the General Ledger system compiles US GAAP financial statement based on US SoB 110, premium and discount on loan will be deducted from "Loan" balance.

VII. Presentation of Allowance for Loan Losses

5 US GAAP

Allowance for loan losses should be deducted from loan principal amount for US GAAP financial statement presentation.

JP GAAP

10 Allowance for loan losses are separate balance sheet items (liability account) for JP GAAP financial statement presentation.

A. Issue

Presentation of allowance for loan losses is different in US GAAP and JP GAAP financial statements. Loan balance should be presented net of allowance for loan losses in US GAAP financial statements while allowance for loan losses 15 should be presented as separate liability account in JP GAAP financial statements.

B. Solution/Conversion

The LS2 commercial lending application has a separate GL account for allowance for loan losses in addition to an account for principal amount. JP GAAP and US GAAP financial statements can have different summarization of 20 accounts because the General Ledger system will have separate SoBs for JP GAAP and US GAAP, respectively. When the General Ledger system compiles JP GAAP financial statement based on JP SoB 114, allowance for loan losses will

be presented as separate liability account. When the General Ledger system compiles US GAAP financial statement based on US SoB 110, allowance for loan losses will be deducted from "Loan" balance.

VII. Presentation of Loan Balances

5

US GAAP

Separate balance sheet captions are required for each portfolio (held to maturity or held for sale). Additional disclosures are also required based on loan classifications based on collateral type, counter party and maturity.

JP GAAP

10

Separate balance sheet caption for each legal form of loan (loan on certificate or loan on notes).

A. Issue

The LS2 commercial lending application has loan classification code tables only in accordance with US rules.

15

B. Solution/Conversion

Additional MIS codes for Japanese loan classifications (loan on notes and loan on certificate) are attached to each loan deal. Each journal entry regarding loans will be accompanied by the MIS code. The General Ledger system will have separate accounts for "Loan on Certificate" and "Loan on Note" with respect to each GL Class Code. When the General Ledger system receives journal entries regarding loans, the system distinguishes "Loan on Notes" and "Loan on Certificate" based on the MIS Code and assigns appropriate GL account codes.

IX. Non-Performing Loans

US GAAP

No quantitative GAAP criteria for non-accrual status exist (FASB Statements No. 114 and 118). Federal Reserve Bank prefers suspension of 5 interest accrual on 90-days past due or principal past due or critical events.

JP GAAP

Accrual of interest income on impaired loans is suspended in accordance with the criteria stipulated in the Japanese tax regulations. Generally, accrual is suspended on loans the principal of which are past due or the interest is past due 10 more than six months or critical credit events.

A. Issue

The LS2 commercial lending application has separate accounts for accrual status facility/loan and non accrual status facility/loan with respect to Commitment Balance, Loan Principal Amount, and Position Discount and 15 Position Premium Account and will reclassify corresponding balances from accrual status accounts to non-accrual status accounts if certain credit events occur. The LS2 commercial lending application also reverses all the outstanding accrued interest receivable on non-accrual loans and post memorandum entries for accrued interest on the non-accrual status loans. In addition, if the facility is non- 20 accrual status, the amortization of Position Discount/Premium will be suspended and all the outstanding accrued fee receivable will be also reversed (no memorandum entries for accrued fee will be recorded on non-accrual loans and facilities).

Users in US branches should account for non-accrual loans in accordance with US Regulatory Accounting and the transfer to non-accrual status will occur upon 90 days past due or principal past due loans or critical credit events.

However, a Japanese office may select the timing of transfer to non-accrual status in accordance with JP GAAP even for US GAAP reporting purposes.

5 Accordingly, in official US SoB 110, the non-accrual loans will be accounted for using the above LS2 functionality although the timing of transfer is in accordance with JP GAAP.

Under JP GAAP, timing to transfer to non-accrual status is less 10 conservative than US GAAP because it is in accordance with Japanese tax rules.

In addition the timing, accounting treatment of outstanding accrued interest (recorded in prior year and before credit event) is different from US 15 GAAP/Regulatory accounting. Normally, the following accrued interest will not be recorded:

i) After the principal's due date, the accrued interest income will not be recorded. However, the accrued interest income up to principal due date should be recorded unless it should not be recognized due to other criteria below.

ii) At each fiscal year end, if collection of interest has not occurred at all as to interest receivable that became due more than 6 months before, the 20 accrued interest income during the fiscal year for the loan will not be recognized. However, for the loan, if the accrued interest receivable which was recorded at the last fiscal year end is still outstanding, the amount should not be reversed unless the receivable meets the criteria to write-off (outstanding for 2 years or more).

iii) If the collection of the accrued interest receivable (whether recorded or unrecorded) at past fiscal year is very small (less than 5%), the accrued interest income for this fiscal year and will not be recorded. However, the past years' outstanding accrued interest receivable will not be reversed unless the receivable meets the criteria to write-off (outstanding for 2 years or more).

B. Solution/Conversion

Journal Entry Conversion

(1) US Regulatory Adjustment

As explained above, the timing of transfer to non-accrual status will be consistent between the US and JP SoBs. However, in US branches, for US Regulatory Reporting purposes, manual additional reversal of accrued interest on 90 days past due loans should be made outside the LS2 commercial lending application, e.g. using Excel spread sheet.

On the other hand, for JP GAAP reporting purposes, additional accrual on non-accrual loan, which does not meet charge-off criteria, should be recorded. This entry will be input into conversion engine 108 as Conversion journal entries and fed to both of the Adjustment SoB 112 and JP SoB 114. At each fiscal year end, the detailed information regarding non-accrual loans and related accrued interest receivable may be reviewed (e.g., by a Controller Department). Based on that review, the Controller Department will calculate additional accrued interest receivable that should be accrued under JP GAAP. These Conversion journal entries will be input manually through the Manual GL entry function of the conversion engine.

Other interface information for US SoB, e.g. "Date of Creation", "Accounting Date", "Product Code", "Customer Code" etc. is submitted to Adjustment SoB 112 without modification except for "Group ID". "Group ID" for "US SoB" is "US GAAP, however, this will be replaced with "JP GAAP" for 5 JP SoB 114.

X. Direct Loan Origination Costs

US GAAP

10 Direct loan origination costs will be deferred and recognized over the contractual life of the loan as an adjustment of yield using the interest method in accordance with FASB Statement No. 91.

JP GAAP

15 Fees and commissions earned for loan origination are recognized when related services are provided (normally when received). Loan origination costs including direct and indirect costs should be charged to income when incurred. No deferral and amortization of these fees and costs as an adjustment of yield is recorded.

A. Issue 1

20 Many users of the LS2 commercial lending application do not use LS2 for deferral and amortization of direct loan cost. Instead, total direct costs incurred for all the loan origination activities for the period may be allocated among each deal (e.g., by a Controller Department or a Loan Back Office Department).

Related entries are input into general ledger system directly by the Controller Department or the Loan Back Office Department.

B. Solution 1

Defer and amortize direct loan origination costs outside LS2.

5

C. Issue 2

Deferral and amortization of direct loan origination costs in accordance with FASB Statement 91 will be recorded under US GAAP. However, the deferral and amortization should be reversed for Japanese reporting purposes.

D. Solution 2

10 Conversion journal entries to reverse US GAAP journal entries will be prepared and input into general ledger system directly by a Controller Department or a Loan Back Office Department to create JP SoB 114.

15 The financial reporting system and method described above provides a single workflow that converts a book of original entries in one accounting system to another reporting book in a different accounting system. The system and method allow a user to set up the accounting method of various items according to any country's generally accepted accounting principles (GAAP).

20 The GAAP conversions described above are provided as examples of conversions that can be implemented using a conversion engine in accordance with an embodiment of the present invention. It will be readily apparent that PL/SQL procedures may be generated to implement conversions that account for other GAAP differences.

Additionally, conversions between US and JP GAAP are provided to illustrate the benefits that can be obtained using a conversion engine. It is contemplated that procedures may be developed to provide conversions between any two or more GAAP standards.

5 While particular embodiments of the present invention have been described and illustrated, it should be understood that the invention is not limited thereto because modifications may be made by persons skilled in the art. The present application contemplates any and all modifications that fall within the spirit and scope of the underlying invention discloses and claimed herein.

TABLE I

UPFEE

Journal Entries for Upfront Loan Fee

Term of Loan							
Syndication Out							
Syndication Close-Out							
First Loan Drawdown							
Upfront Fee							
Receipt - Part 1							
Receipt - Part 2							
Distribution to Participant							
Transfer to Discount Amount (Host's Share)							
Remainder (Syndication Fee)							
Sale of Loan							
At Month End 4	Sale Price						
	Principal						
Charge-Off							
At Month End 4	All Amount						

US GAAP Journal Entries

Dr/Cr	GL AC NO	LS2 GL Short	Description	Amount	Dr/Cr	GL AC NO	LS2 GL Short	Description	Amount
Dr	423001	MT/DDA	Nostrø Clearing	\$ 100,000.00	Dr	423001	MT/DDA	Fee Disposition	\$ 100,000.00
Cr	415504	FHAD	Fee Held Awaiting Disposition	\$ 100,000.00	Cr	544302	N/A	Upfront Fee Income	\$ 100,000.00
Dr	423001	MT/DDA	Nostrø Clearing	\$ 50,000.00	Dr	423001	MT/DDA	Nostrø Clearing	\$ 50,000.00
Cr	415504	FHAD	Fee Held Awaiting Disposition	\$ 50,000.00	Cr	544302	N/A	Upfront Fee Income	\$ 50,000.00
Dr	415504	FHAD	Fee Held Awaiting Disposition	\$ 50,000.00	Dr	415504	FHAD	Fee Held Awaiting Disposition	\$ 50,000.00
Cr	423001	MT/DDA	Nostrø Clearing	\$ 50,000.00	Cr	544302	N/A	Upfront Fee Income	\$ 50,000.00
Dr	415504	FHAD	Fee Held Awaiting Disposition	\$ 50,000.00	Dr	415503	UNFDS	Unfunded Discount	\$ 75,000.00
Cr	423001	MT/DDA	Nostrø Clearing	\$ 50,000.00	Cr	544101	SYNFM	Syndication Fee/Mgr	\$ 25,000.00
Day 3					Dr	415504	FHAD	Fee Held Awaiting Disposition	\$ 100,000.00
Distribution to Participant					Cr				
Syndication Close Out									

TABLE I - CONT.

UPFEE

Day 4
*Transfer of Discount
 from Unfunded
 Discount to Discount
 Position*

(Dr)	415001	DISC	Position Discount	\$ 75,000.00	(Dr)	415503	UNFDS	Unfunded Discount	\$ 75,000.00	(Dr)			N/A	\$ -
(Cr)	415503	UNFDS	Unfunded Discount	\$ 75,000.00	(Cr)	415001	DISC	Position Discount	\$ 75,000.00	(Cr)			N/A	\$ -

Month 1, 2, 3, 4
*Amortization of
 Upfront Fee for Host's
 Share (Term Loan)*

(Dr)	415001	DISC	Position Discount	\$ 15,000.00	(Dr)	512007	AINTI	Amort Interest Income	\$ 15,000.00	(Dr)			N/A	\$ -
(Cr)	512007	AINTI	Amort Interest Income	\$ 15,000.00	(Cr)	415001	DISC	Position Discount	\$ 15,000.00	(Cr)			N/A	\$ -

Month 1, 2, 3, 4
*Amortization of
 Upfront Fee for Host's
 Share (Revolving
 Loan)*

(Dr)	415001	DISC	Position Discount	\$ 15,000.00	(Dr)	544004	ACOMF	Amort Commitment Fee	\$ 15,000.00	(Dr)			N/A	\$ -
(Cr)	544004	ACOMF	Amort Commitment Fee	\$ 15,000.00	(Cr)	415001	DISC	Position Discount	\$ 15,000.00	(Cr)			N/A	\$ -

Sale of Facility

(Dr)	423001	MTDDA	Nostro Clearing	\$ 980,000.00	(Dr)	657001	LSOSL	Loss on Sale	\$ 15,000.00	(Dr)	423001	MTDDA	Nostro Clearing	\$ 980,000.00
(Dr)	415001	DISC	Position Discount	\$ 15,000.00	(Cr)	415001	DISC	Position Discount	\$ 15,000.00	(Dr)	657001	LSOSL	Loss on Sale	\$ 20,000.00
(Dr)	657001	LSOSL	Loss on Sale	\$ 5,000.00	(Cr)	177001	PRINC	Loan Principal Amount	\$ 1,000,000.00	(Cr)	177001	PRINC	Loan Principal Amount	\$ 1,000,000.00
(Cr)	177001	PRINC	Loan Principal Amount	\$ 1,000,000.00										

Charge-Off of Loan

(Dr)	671001	ALLOW	Loss on Charge Off	\$ 985,000.00	(Dr)	671001	ALLOW	Loss on Charge Off	\$ 15,000.00	(Dr)	671001	ALLOW	Loss on Charge Off	\$ 1,000,000.00
(Dr)	415001	DISC	Position Discount	\$ 15,000.00	(Cr)	415001	DISC	Position Discount	\$ 15,000.00	(Cr)	177001	PRINC	Loan Principal Amount	\$ 1,000,000.00
(Cr)	177001	PRINC	Loan Principal Amount	\$ 1,000,000.00										

TABLE II

Upfront Fee Related Accounts:

LS2 GL Short Name = DISC	
415001	Discount Accrual Loan on Certificate (HFI)
415002	Discount Non Accrual Loan on Certificate (HFI)
415003	Discount Accrual Loan on Note - Regular (HFI)
415004	Discount Non Accrual Loan on Note - Regular (HFI)
415005	Discount Accrual Loan on Note - Acceptance (HFI)
415006	Discount Non Accrual Loan on Note - Acceptance (HFI)
415007	Discount Accrual Loan on Note - Employee (HFI)
415008	Discount Non Accrual Loan on Note - Employee (HFI)
415009	Discount Accrual - Special Overdraft
415010	Discount Non Accrual - Special Overdraft
415011	Discount Accrual - Account Receivable Purchase
415012	Discount Non Accrual - Account Receivable Purchase
415013	Discount Accrual - Commercial Bill
415014	Discount Non Accrual - Commercial Bill
415301	Discount Accrual Loan on Certificate (HFS)
415302	Discount Non Accrual Loan on Certificate (HFS)
415303	Discount Accrual Loan on Note - Regular (HFS)
415304	Discount Non Accrual Loan on Note - Regular (HFS)
415305	Discount Accrual Loan on Note - Acceptance (HFS)
415306	Discount Non Accrual Loan on Note - Acceptance (HFS)
LS2 GL Short Name = DFHAD	
415505	Deferred Fees Held

LS2 Short Name = PRMUM	
231501	Premium Accrual (HFI) Loan on Certificate
231502	Premium Non Accrual (HFI) Loan on Certificate
231503	Premium Accrual (HFI) Loan on Note - Regular
231504	Premium Non Accrual (HFI) Loan on Note - Regular
231505	Premium Accrual (HFI) Loan on Note - Acceptance
231506	Premium Non Accrual (HFI) Loan on Note - Acceptance
231507	Premium Accrual (HFI) Loan on Note - Employee
231508	Premium Non Accrual (HFI) Loan on Note - Employee
231511	Premium Accrual - Account Receivable Purchase
231512	Premium Non Accrual - Account Receivable Purchase
231513	Premium Accrual - Special Overdraft
231514	Premium Non Accrual - Special Overdraft
231515	Premium Accrual - Commercial Bill
231516	Premium Non Accrual - Commercial Bill
231601	Premium Accrual (HFS) Loan on Certificate
231602	Premium Non Accrual (HFS) Loan on Certificate
231603	Premium Accrual (HFS) Loan on Note - Regular
231604	Premium Non Accrual (HFS) Loan on Note - Regular
231605	Premium Accrual (HFS) Loan on Note - Acceptance
231606	Premium Non Accrual (HFS) Loan on Note - Acceptance
LS2 GL Short Name = SYNFM	
544201	Syndication Fee/CO-MNGR

TABLE II – CONT.**Upfront Fee Income Accounts:**

511007	Amortized Interest Income (HFI) Loan on Note - Regular
511008	Amortized Interest Income (HFI) Loan on Note - Acceptance
511009	Amortized Interest Income (HFI) Loan on Note - Employee
511303	Amortized Interest Income (HFS) Loan on Note - Regular
511304	Amortized Interest Income (HFS) Loan on Note - Acceptance
512007	Amortized Interest Income (HFI) Loan on Certificate
512303	Amortized Interest Income (HFS) Loan on Certificate
513003	Amortized Interest Income - Special Overdraft
515003	Amortized Interest Income - Commercial Bill
534503	Amortized Interest Income - Account Receivable Purchase
544004	Amortized Commitment Fees
544301	Upfront Loan Fee Income (Loan on Note)
544302	Upfront Loan Fee Income (Loan on Certificate)
544303	Upfront Fee Income (Other)

Gain and Loss on Sale of Loan Accounts:

LS2 GL Short Name = RLPL	
5555001	Realized P/L Accrual (Trading) Loan
5555002	Realized P/L Non Accrual (Trading) Loan
LS2 GL Short Name = GNOLS	
5666001	Gain on Sale Loan (HFI)
5666003	Gain On Sale - Special OD
5666004	Gain On Sale - Commercial Bill
566301	Gain On Sale Loan (HFS)
567001	Gain On Sale - AR Purchase
LS2 GL Short Name = LSOSL	
657001	Loss On Sale (HFI) Loan
657003	Loss On Sale - Special OD
657004	Loss On Sale - Commercial Bill
657301	Loss On Sale (HFS) Loan
658001	Loss On Sale - AR Purchase
LS2 GL Short Name = ALLOW	
671001	Loss on Charge Off (LS2)

TABLE III**GAIN/LOSS**

		Prem/Disc	Gain on Sale		Loss on Sale		Adj Gain		Adj Loss	
DR=1, CR=2										

Sale of Loan with Premium

Dr/ Cr	A	B	C	Max(A-C,0)		Min(A,C)		Regular Entries		US Entries	Conversion Entries	JP Entries		
				Dr	Cr	Dr	Cr	Dr	Cr					
2 \$	1,000	\$	- 1 \$	1,500	2 \$	- 2 \$	\$ 1,000	Loss	1500 Premium Net Cash	1000 Loss 500	1000 Loss	500 Net Cash	500	
2 \$	1,000	\$	- 1 \$	500	2 \$	- 2 \$	\$ 500	Loss	500 Premium Net Cash	1000 Loss 500	500 Net Cash	500 Gain	500	
2 \$	1,000	2 \$	\$ 500	\$ - 2 \$	1,000	2 \$	- 2 \$	\$ 1,000	Net Cash	1500 Premium Gain	1000 Gain 1500	1500 Gain	1500 Gain	1500
2 \$	1,000	2 \$	\$ 500	\$ - 2 \$	1,000	2 \$	- 2 \$	\$ 1,000	Net Cash	2500 Premium Gain	1000 Gain 1500	2500 Gain	2500 Gain	2500

Reverse of Sale of Loan with Discount

Dr/ Cr	A	B	C	Min(A,B)		Max(A-B,0)		Reversal Entries		US Entries	Conversion Entries	JP Entries		
				Dr	Cr	Dr	Cr	Dr	Cr					
2 \$	1,000	\$	- 2 \$	1,500	2 \$	- 2 \$	\$ 1,000	Net Cash	2500 Discount Loss	1000 Discount 1500	1000 Net Cash	2500 Loss	2500	
2 \$	1,000	\$	- 2 \$	500	2 \$	- 2 \$	\$ 1,000	Net Cash	1500 Discount Loss	1000 Discount 500	1000 Net Cash	1500 Loss	1500	
2 \$	1,000	1 \$	\$ 500	\$ - 2 \$	500	2 \$	- 2 \$	\$ 1,000	Net Cash	500 Discount Gain	1000 Loss 500	500 Net Cash	500 Loss	500
2 \$	1,000	1 \$	\$ 1,500	\$ - 2 \$	1,000	2 \$	- 2 \$	\$ 1,000	Net Cash	1500 Discount Gain	1000 Loss 500	500 Gain	500 Net Cash	500

Sale of Loan with Discount

Dr/ Cr	A	B	C	Min(A,B)		Max(A-B,0)		Regular Entries		US Entries	Conversion Entries	JP Entries		
				Dr	Cr	Dr	Cr	Dr	Cr					
1 \$	1,000	\$	- 1 \$	1,500	1 \$	- 1 \$	\$ 1,000	Discount Loss	1000 Net Cash 1500	2500 Loss	1000 Discount 1000	1000 Net Cash	2500	
1 \$	1,000	\$	- 1 \$	500	1 \$	- 1 \$	\$ 1,000	Discount Loss	1000 Net Cash 500	1500 Loss	1000 Discount 500	1500 Net Cash	1500	
1 \$	1,000	2 \$	\$ 500	\$ - 1 \$	500	1 \$	- 1 \$	\$ 1,000	Discount Gain	1000 Net Cash 500 Loss	500 Discount 500	500 Net Cash	500 Loss	500
1 \$	1,000	2 \$	\$ 1,500	\$ - 1 \$	1,000	1 \$	- 1 \$	\$ 1,000	Discount Net Cash	1500 Gain 500	1000 Discount 1500	1000 Net Cash	500 Gain	500

Reverse of Sale of Loan with Premium

Dr/ Cr	A	B	C	Max(A-C,0)		Min(A,C)		Reversal Entries		US Entries	Conversion Entries	JP Entries		
				Dr	Cr	Dr	Cr	Dr	Cr					
1 \$	1,000	\$	- 2 \$	1,500	1 \$	- 1 \$	\$ 1,000	Premium Net Cash	1500 Loss 500	1000 Premium 1000	1000 Premium 500	1000 Premium 500	500 Loss	
1 \$	1,000	\$	- 2 \$	500	1 \$	- 1 \$	\$ 1,000	Premium Net Cash	1000 Loss 500	500 Premium 1500	1000 Premium 1500	500 Net Cash	500	
1 \$	1,000	1 \$	\$ 500	\$ - 1 \$	1,000	1 \$	- 1 \$	\$ 1,000	Premium Gain	1500 Gain 1000	1000 Premium 1000	1500 Net Cash	1500 Gain	1500
1 \$	1,000	1 \$	\$ 1,500	\$ - 1 \$	1,000	1 \$	- 1 \$	\$ 1,000	Premium Gain	2500 Gain 1500	1000 Premium 1500	2500 Net Cash	2500 Gain	2500

TABLE IV

Journal Entries for Loan Held for Sale

Loan Purchased			
Cost			
Market Price	at Day 1	Open Position	Open Sale Position
	at Day 2	\$ 500,000.00	\$ 500,000.00
		\$ 485,000.00	\$ 485,000.00
		\$ 490,000.00	\$ 490,000.00

Allowance for Loan Revaluation

	Available Position	Open Position	Total Position
Provision	\$ 15,000.00	\$ 15,000.00	\$ 30,000.00
Reversal	-	-	-
Balance at Day 1	\$ 15,000.00	\$ 15,000.00	\$ 30,000.00
Provision	\$ 10,000.00	\$ 15,000.00	\$ 25,000.00
Reversal	\$ (15,000.00)	\$ (15,000.00)	\$ (30,000.00)
Balance at Day 2	\$ 10,000.00	\$ 15,000.00	\$ 25,000.00

Day 1	Reversal of Previous Day's Reserve	Dr) 428001 MTM LOCOM Valuation - \$ 30,000.00	Cr) 658502 URPLA Unrealized P/L - \$ 15,000.00
		Accrual	Accrual - Available (HFS) Loan
		Dr) 658502 URPLA Unrealized P/L - \$ 15,000.00	Cr) 658501 URPLC Unrealized P/L - \$ 15,000.00
		Accrual - Available (HFS) Loan	Accrual - Open Sales (HFS) Loan
		Cr) 658501 URPLC Unrealized P/L - \$ 15,000.00	Cr) 428001 MTM Valuation - \$ 30,000.00
		Accrual - Open Sales (HFS) Loan	Accrual

Day 2	Provision of Today's Reserve	Dr) 658502 URPLA Unrealized P/L - \$ 10,000.00	Dr) 428001 MTM LOCOM Valuation - \$ 25,000.00
		Accrual - Available (HFS) Loan	Accrual
		Dr) 658501 URPLC Unrealized P/L - \$ 15,000.00	Cr) 658502 URPLA Unrealized P/L - \$ 10,000.00
		Accrual - Open Sales (HFS) Loan	Accrual - Available (HFS) Loan
		Cr) 428001 MTM LOCOM Valuation - \$ 25,000.00	Cr) 658501 URPLC Unrealized P/L - \$ 15,000.00
		Accrual	Accrual - Open Sales (HFS) Loan

US GAAP Journal Entries

	GLAC NO	LS2 GL Short	Description	Amount	Dr/Cr	GLAC NO	LS2 GL Short	Description	Amount

GAAP Conversion Journal Entries

	Dr/Cr	GLAC NO	LS2 GL Short	Description	Amount	Dr/Cr	GLAC NO	LS2 GL Short	Description	Amount

JP GAAP Journal Entries

	Dr/Cr	GLAC NO	LS2 GL Short	Description	Amount

Dr) 658502 URPLA Unrealized P/L - \$ 10,000.00	Cr) 428001 MTM LOCOM Valuation - \$ 25,000.00
Accrual - Available (HFS) Loan	Accrual
Dr) 658501 URPLC Unrealized P/L - \$ 15,000.00	Cr) 658502 URPLA Unrealized P/L - \$ 10,000.00
Accrual - Open Sales (HFS) Loan	Accrual - Available (HFS) Loan
Cr) 428001 MTM LOCOM Valuation - \$ 25,000.00	Cr) 658501 URPLC Unrealized P/L - \$ 15,000.00
Accrual	Accrual - Open Sales (HFS) Loan

TABLE IV - CONT.

Plan A

Outstanding	Net Fee AC	Gain on Sale		Loss on Sale		AJD Gain	ADJ Loss
		DR/(CR)		DR/(CR)			
	A	B	C	Min(A+C,0)	Max(A,-C)		
Net Dr	\$ (1,000)	\$ -	\$ 1,500	\$ -	\$ (1,000)		
Loss Recog	\$ (1,000)	\$ -	\$ 500	\$ (500)	\$ (500)		
	\$ (1,000)	\$ (500)	\$ -	\$ (1,000)	\$ -		
	\$ (1,000)	\$ (1,500)	\$ -	\$ (1,000)	\$ -		
	A	B	C	Max(A,-B)	Min(A+B,0)		
Reverse of Gain	\$ (1,000)	\$ -	\$ (1,500)	\$ -	\$ (1,000)		
	\$ (1,000)	\$ -	\$ (500)	\$ -	\$ (1,000)		
	\$ (1,000)	\$ 500	\$ -	\$ (500)	\$ (500)		
	\$ (1,000)	\$ 1,500	\$ -	\$ (1,000)	\$ -		
	A	B	C	Min(A,-B)	Max(A+B,0)		
Net Cr	\$ 1,000	\$ -	\$ 1,500	\$ -	\$ 1,000		
	\$ 1,000	\$ -	\$ 500	\$ -	\$ 1,000		
	\$ 1,000	\$ (500)	\$ -	\$ 500	\$ 500		
	\$ 1,000	\$ (1,500)	\$ -	\$ 1,000	\$ -		
	A	B	C	Max(A,-B)	Min(A+B,0)		
Reverse of Loss	\$ 1,000	\$ -	\$ (1,500)	\$ -	\$ 1,000		
	\$ 1,000	\$ -	\$ (500)	\$ 500	\$ 500		
	\$ 1,000	\$ 500	\$ -	\$ 1,000	\$ -		
	\$ 1,000	\$ 1,500	\$ -	\$ 1,000	\$ -		
	A	B	C	Min(A+C,0)	Max(A,-C)		

		US Entries		Conversion Entries		JP Entries
		US Entries		US Entries		
	A	B	C	Min(A+C,0)	Max(A,-C)	
Loss	1500	Premium	1000	Premium	1000	Loss
		Net Cash	500	Net Cash	500	Net Cash
Loss	500	Premium	1000	Premium	1000	Loss
		Net Cash	500	Net Cash	500	0 Gain
Net Cash	1500	Premium	1000	Premium	1000	Net Cash
		Gain	500	Gain	500	1500 Gain
Net Cash	2500	Premium	1000	Premium	1000	Net Cash
		Gain	1500	Gain	1000	2500 Gain
Net Cash	2500	Discount	1000	Discount	1000	Net Cash
		Loss	1500	Loss	1000	2500 Loss
Net Cash	1500	Discount	1000	Discount	1000	Net Cash
		Loss	500	Loss	1000	1500 Loss
Net Cash	500	Discount	1000	Discount	1000	Net Cash
		Gain	500	Gain	500	500 Loss
Gain	1500	Discount	1000	Discount	1000	Gain
		500	500	500	1000	500 Gain
Net Cash	1000	Net Cash	500	Net Cash	500	500 Net Cash
Discount	1000	Net Cash	2500	Loss	1000	Discount
		1500				2500
Discount	1000	Net Cash	1500	Loss	1000	Discount
		500				1500
Discount	1000	Net Cash	500	Gain	500	Loss
		Gain	500			500
Discount	1000	Net Cash	500	Gain	1500	Discount
		Gain	500			1500
Premium	1000	Loss	1500	Loss	1000	Premium
		500				500
Premium	1000	Loss	500	Loss	1000	Premium
		Net Cash	500	Gain	1000	Net Cash
Premium	1000	Net Cash	1500	Gain	1000	Premium
		500				1500
Premium	1000	Net Cash	2500	Gain	1000	Premium
		1500				2500

TABLE IV - CONT.

Plan B

Outstanding	Net Fee AC	Gain on Sale	Loss on Sale	AJD Gain	ADJ Loss
DR=1, CR=2					

A	B	C	Max(A,C)	Min(A,C)
Regular Entries				

Net Dr	2 \$ 1,000 0 \$	- 1 \$ 1,500 2 \$	- 2 \$ 1,000		
Loss Recog	2 \$ 1,000 0 \$	- 1 \$ 500 2 \$	500 2 \$	500	
	2 \$ 1,000 2 \$	500 0 \$	- 2 \$ 1,000 2 \$	-	
	2 \$ 1,000 2 \$	500 0 \$	- 2 \$ 1,000 2 \$	-	

A	B	C	Max(A,B)	Min(A,B)
Reversal Entries				

Reverse of Gain	2 \$ 1,000 \$	- 2 \$ 1,500 2 \$	- 2 \$ 1,000		
	2 \$ 1,000 \$	- 2 \$ 500 2 \$	- 2 \$ 1,000		
	2 \$ 1,000 1 \$	500 \$	- 2 \$ 500 2 \$	500	
	2 \$ 1,000 1 \$	1,500 \$	- 2 \$ 1,000 2 \$	-	

A	B	C	Max(A,B)	Min(A,B)
Reversal Entries				

Net Cr	1 \$ 1,000 \$	- 1 \$ 1,500 1 \$	- 1 \$ 1,000		
	1 \$ 1,000 \$	- 1 \$ 500 1 \$	- 1 \$ 1,000		
	1 \$ 1,000 2 \$	500 \$	- 1 \$ 500 1 \$	500	
	1 \$ 1,000 2 \$	1,500 \$	- 1 \$ 1,000 1 \$	-	

A	B	C	Max(A,C)	Min(A,C)
Reversal Entries				

Reverse of Loss	1 \$ 1,000 \$	- 2 \$ 1,500 1 \$	- 1 \$ 1,000		
	1 \$ 1,000 \$	- 2 \$ 500 1 \$	500 1 \$	500	
	1 \$ 1,000 1 \$	500 \$	- 1 \$ 1,000 1 \$	-	
	1 \$ 1,000 1 \$	1,500 \$	- 1 \$ 1,000 1 \$	-	

TABLE V

TRA

Journal Entries for Trading Loan

Loan Purchased	Available Position	Open Sale Position	Total Position
Cost	\$ 500,000.00	\$ 500,000.00	\$ 1,000,000.00
Market Price	\$ 550,000.00	\$ 550,000.00	\$ 1,100,000.00
At Day 1	\$ 520,000.00	\$ 520,000.00	\$ 1,040,000.00
At Day 2	\$ -	\$ -	\$ -

Available Position				Open Sale Position				Total Position			
\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 1,000,000.00
\$ 550,000.00	\$ 550,000.00	\$ 550,000.00	\$ 550,000.00	\$ 550,000.00	\$ 550,000.00	\$ 550,000.00	\$ 550,000.00	\$ 550,000.00	\$ 550,000.00	\$ 550,000.00	\$ 1,100,000.00
\$ 520,000.00	\$ 520,000.00	\$ 520,000.00	\$ 520,000.00	\$ 520,000.00	\$ 520,000.00	\$ 520,000.00	\$ 520,000.00	\$ 520,000.00	\$ 520,000.00	\$ 520,000.00	\$ 1,040,000.00
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

US GAAP Journal Entries				GAAP Conversion Journal Entries				JP GAAP Journal Entries				
Dr/Cr	GL AC	LS2 GL	Short	Dr/Cr	GL AC	LS2 GL	Short	Dr/Cr	GL AC	LS2 GL	Short	
Dr	555502	URPLA	Unrealized P/L - Accrual	\$ 50,000.00	Dr	428501	MTM	Mark to Market - Accrual	\$ 100,000.00	Dr	N/A	N/A
			- Available (Trading) Loan									
Dr	555501	URPLC	Unrealized P/L - Accrual	\$ 50,000.00	Cr	555502	URPLA	Unrealized P/L - Accrual	\$ 50,000.00	Cr	N/A	N/A
			- Open Sales -(Trading) Loan				- Available (Trading) Loan					
Cr	428501	MTM	Mark to Market - Accrual	\$ 100,000.00	Cr	555501	URPLC	Unrealized P/L - Accrual	\$ 50,000.00	Cr	N/A	N/A
			- Valuation - Accrual				- Open Sales -(Trading) Loan					

Day 1

Reversal of Previous Day's Unrealized Gain (Loss)

- 70 -

TABLE VI

SBLC

Journal Entries for SBLC Sold

Issuance of SBLC & Guar Day 1	SBLC	\$100,000.00
Guarantee		\$100,000.00
Part-out of SBLC and Gu Day 2	SBLC	\$50,000.00
Guarantee		\$50,000.00
Buy Back of SBLC and Guarantee Part-Out	Day 3	
SBLC	\$30,000.00	
Guarantee	\$30,000.00	
Maturity of SBLC and Gu Day 4	SBLC	\$80,000.00
SBLC - Sold		\$20,000.00
Guarantee		\$80,000.00
Guarantee - Sold		\$20,000.00

US GAAP Journal Entries

Dr/Cr No	GL AC LS2 GL Short	Description	Amount	Dr/Cr No	GL AC LS2 GL Short	Description	Amount
Dr) 292001	LCPRN	L/C Outstanding Guarantee	\$ 100,000.00	Dr)	292001	L.CPRN	L/C Outstanding Guarantee
Dr) 291001	LCPRN	L/C Outstanding - SBLC	\$ 100,000.00	Cr)	291001	LCPRN	L/C Outstanding - SBLC
Cr) 491001	LCCON	L/C Outstanding - Offset Account	\$ 200,000.00	Cr)	491001	LCCON	L/C Outstanding - Offset Account

GAAP Conversion Journal Entries

JP GAAP Journal Entries							
Dr)	292001	L.CPRN	L/C Outstanding	-\$	100,000.00		
Dr)	291001	LCPRN	L/C Outstanding - SBLC				
Cr)	491001	LCCON	L/C Outstanding - Offset Account				
Dr)	292501	LCSDL	L/C Outstanding Guarantee Sold				
Dr)	291501	LCSDL	L/C Outstanding - SBLC Sold				
Cr)	292001	LCPRN	L/C Outstanding				
Cr)	291001	LCPRN	L/C Outstanding - SBLC				
Dr)	491001	LCCON	L/C Outstanding - Offset Account				
Cr)	491501	N/A	SBLC & Guarantee Offset Sold				

TABLE VI - CONT.

SBC

Dr)	292001	LCPRN	L/C Outstanding	- \$ 30,000.00	SBLC & Guarantee Offset	\$ 60,000.00	Dr)	292001	LCPRN	L/C Outstanding	- \$ 30,000.00			
Dr)	291001	LCPRN	L/C Guarantee	- \$ 30,000.00	Sold		Dr)	291001	LCPRN	L/C Guarantee	\$ 30,000.00			
Cr)	291001	LCPRN	L/C Outstanding - SBLC	\$ 30,000.00	Cr)	491001	LCCON	L/C Outstanding - Offset	\$ 60,000.00	Cr)	291001	LCPRN	L/C Outstanding - SBLC	\$ 30,000.00
Cr)	292501	LCSLD	L/C Outstanding	- \$ 30,000.00	Cr)	292501	LCSLD	L/C Outstanding	- \$ 30,000.00	Cr)	291501	LCSLD	L/C Outstanding Sold	\$ 30,000.00
Cr)	291501	LCSLD	L/C Guarantee Sold	\$ 30,000.00	Cr)	291501	LCSLD	L/C Outstanding - SBLC	\$ 30,000.00	Dr)	491501	N/A	SBLC & Guarantee Sold	\$ 60,000.00
Cr)	291501	LCSLD	L/C Outstanding - SBLC	\$ 30,000.00	Cr)	491001	LCCON	L/C Outstanding - Offset	\$ 60,000.00	Cr)	491001	LCCON	L/C Outstanding - Account	\$ 60,000.00

Cr)	291501	LCSTD	L/C Outstanding - SBLC Sold	\$ 20,000.00	Cr)	291501	LCSTD	L/C Outstanding - SBLC Sold	\$ 20,000.00
Cr)	292501	LCSTD	L/C Outstanding - SBLC Guarantee Sold	\$ 20,000.00	Cr)	292501	LCSTD	L/C Outstanding - SBLC Sold	\$ 20,000.00
Cr)	291001	LCCON	L/C Outstanding - Offset Account	\$ 200,000.00	Cr)	291001	LCCON	L/C Outstanding - Offset Account	\$ 200,000.00
Cr)	292001	LCPRN	L/C Outstanding - Guarantee	\$ 80,000.00	Cr)	292001	LCPRN	L/C Outstanding - Guarantee	\$ 80,000.00
Cr)	291001	LCPRN	L/C Outstanding - SBLC	\$ 80,000.00	Cr)	291001	LCPRN	L/C Outstanding - SBLC	\$ 80,000.00
Cr)	291001	LCCON	L/C Outstanding - Offset Account	\$ 40,000.00	Cr)	291001	LCCON	L/C & Guarantee Offset Sold	\$ 40,000.00
Cr)	292001	LCPRN	L/C Outstanding - SBLC	\$ 40,000.00	Cr)	292001	LCPRN	L/C Outstanding - SBLC	\$ 40,000.00
Cr)	291501	LCSTD	L/C Outstanding - SBLC Sold	\$ 20,000.00	Cr)	291501	LCSTD	L/C Outstanding - SBLC Sold	\$ 20,000.00

Buy Back of SBLC
and Guarantee

*Maturity of SBLC and
Guarantee*

WHAT IS CLAIMED IS:

1. A computerized management system, comprising:
 - 2 a routine for accessing journal entries stored in a memory; and
 - 3 an automated journal entry generating routine for generating journal entries for a first set-of-books and for a second set-of-books based on the accessed journal entries,
 - 6 wherein the journal entries for the first set-of-books are in accordance with a first reporting standard and the journal entries for the second set-of-books are in accordance with a second, different reporting standard.
- 1 2. The computerized management system according to claim 1, wherein the journal entry generating routine also generates journal entries for a third set-of-books based on the accessed journal entries, wherein the journal entries for the third set-of-books contain adjustments resulting from differences between the first and second reporting standards.
- 1 3. The computerized management system according to claim 1, wherein the journal entries stored in said memory conform to the first reporting standard and wherein the journal entry generating routine includes conversion routines for converting the journal entries stored in said memory from conformance with the first reporting standard to conformance with the second reporting standard.

1 4. The computerized management system according to claim 3,
2 wherein the conversion routines select journal entries stored in said memory based
3 on one or more predetermined criteria.

1 5. The computerized management system according to claim 4,
2 wherein the predetermined criteria are selected from the group consisting of risk
3 type, portfolio type and account.

1 6. The computerized management system according to claim 1,
2 wherein the first reporting standard is US generally accepted accounting principles
3 and the second reporting standard is Japanese generally accepted accounting
principles.

7. The computerized management system according to claim 6,
2 wherein the journal entries stored in said memory include entries for loans held
3 for sale.

1 8. The computerized management system according to claim 6,
2 wherein the journal entries stored in said memory include entries for loans held
3 for trading.

1 9. The computerized management system according to claim 6,
2 wherein the journal entries stored in said memory include entries for non-
3 performing loans.

1 10. The computerized management system according to claim 6,
2 wherein the journal entries stored in said memory include entries for upfront loan
3 fees.

1 11. The computerized management system according to claim 6,
2 wherein the journal entries stored in said memory include entries for direct loan
3 origination costs.

1 12. The computerized management system according to claim 6,
2 wherein the journal entries stored in said memory include entries for contingent
3 liability.

13. The computerized management system according to claim 6,
wherein the journal entries stored in said memory include entries for presentation
of premium/discount on loans.

1 14. The computerized management system according to claim 6,
2 wherein the journal entries stored in said memory include entries for presentation
3 of allowance for loan losses.

1 15. The computerized management system according to claim 6,
2 wherein the journal entries stored in said memory include entries for loan
3 balances.

1 16. A management method to be performed by or with the aid of a
2 computer, comprising:
3 accessing previously stored journal entries; and
4 generating journal entries for a first set-of-books and for a second set-of-
5 books based on the accessed journal entries,
6 wherein the journal entries for the first set-of-books are in accordance with
7 a first reporting standard and the journal entries for the second set-of-books are in
8 accordance with a second, different reporting standard.

1 17. The method according to claim 16, further comprising:
2 generating journal entries for a third set-of-books based on the journal
 entries stored in said memory,
 wherein the journal entries for the third set-of-books contain adjustments
5 resulting from differences between the first and second reporting standards.

1 18. The method according to claim 16, wherein the first reporting
2 standard is US generally accepted accounting principles and the second reporting
3 standard is Japanese generally accepted accounting principles.

1 19. The method according to claim 18, wherein the stored journal
2 entries include entries for loans held for sale.

1 20. The method according to claim 18, wherein the stored journal
2 entries include entries for loans held for trading.

1 21. The method according to claim 18, wherein the stored journal
2 entries include entries for non-performing loans.

1 22. The method according to claim 18, wherein the stored journal
2 entries include entries for upfront loan fees.

1 23. The method according to claim 18, wherein the stored journal
2 entries include entries for direct loan origination costs.

1 24. The method according to claim 18, wherein the stored journal
2 entries include entries for contingent liability.

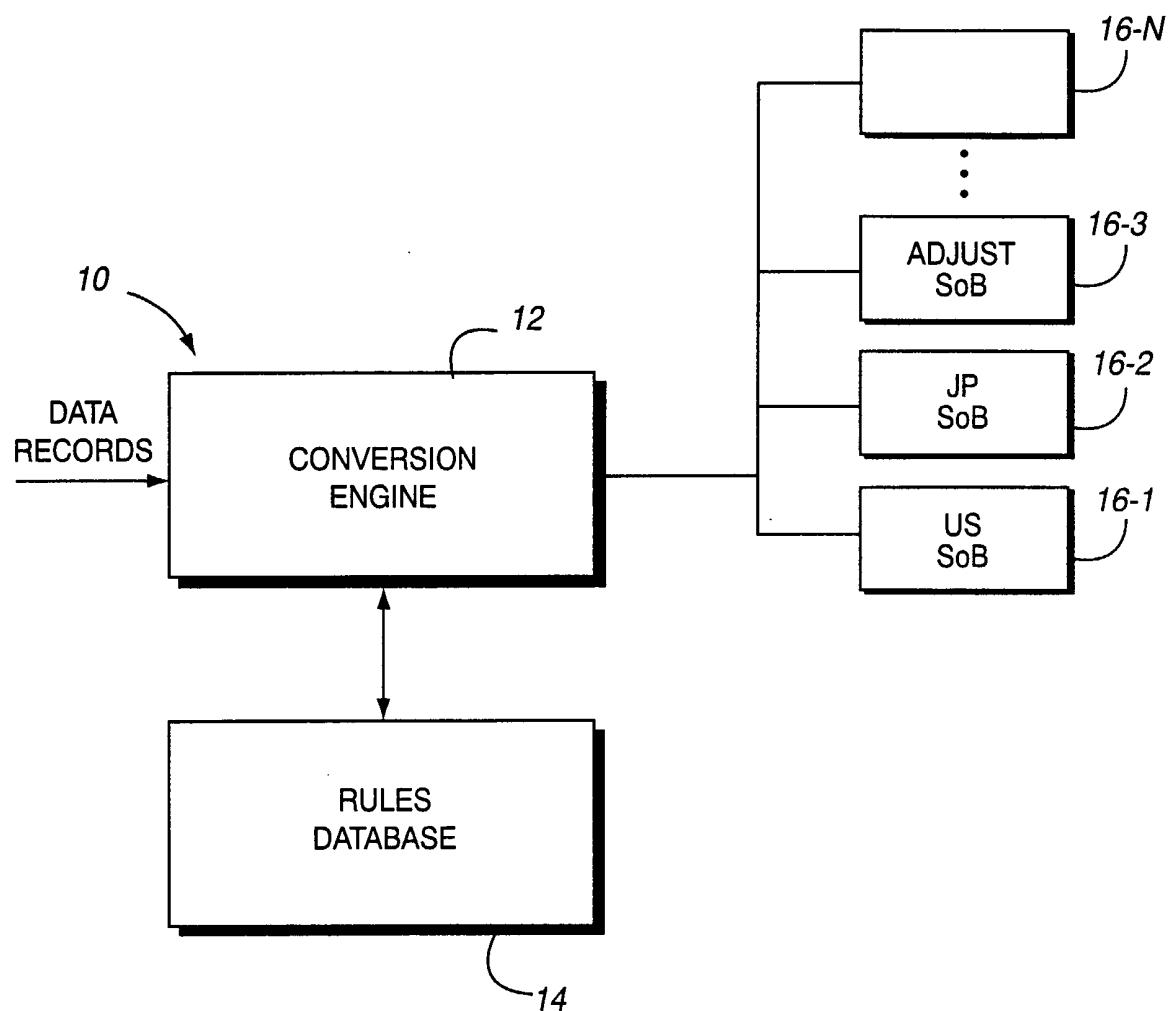
1 25. The method according to claim 18, wherein the stored journal
entries include entries for presentation of premium/discount on loans.

26. The method according to claim 18, wherein the stored journal
2 entries include entries for presentation of allowance for loan losses.

1 27. The method according to claim 18, wherein the stored journal
2 entries include entries for loan balances.

1 29. A computer readable medium having computer-executable
2 instructions for performing the steps recited in claim 16.

1 30. A computer readable medium having computer-executable
2 instructions for performing the steps recited in claim 17.

Fig. 1

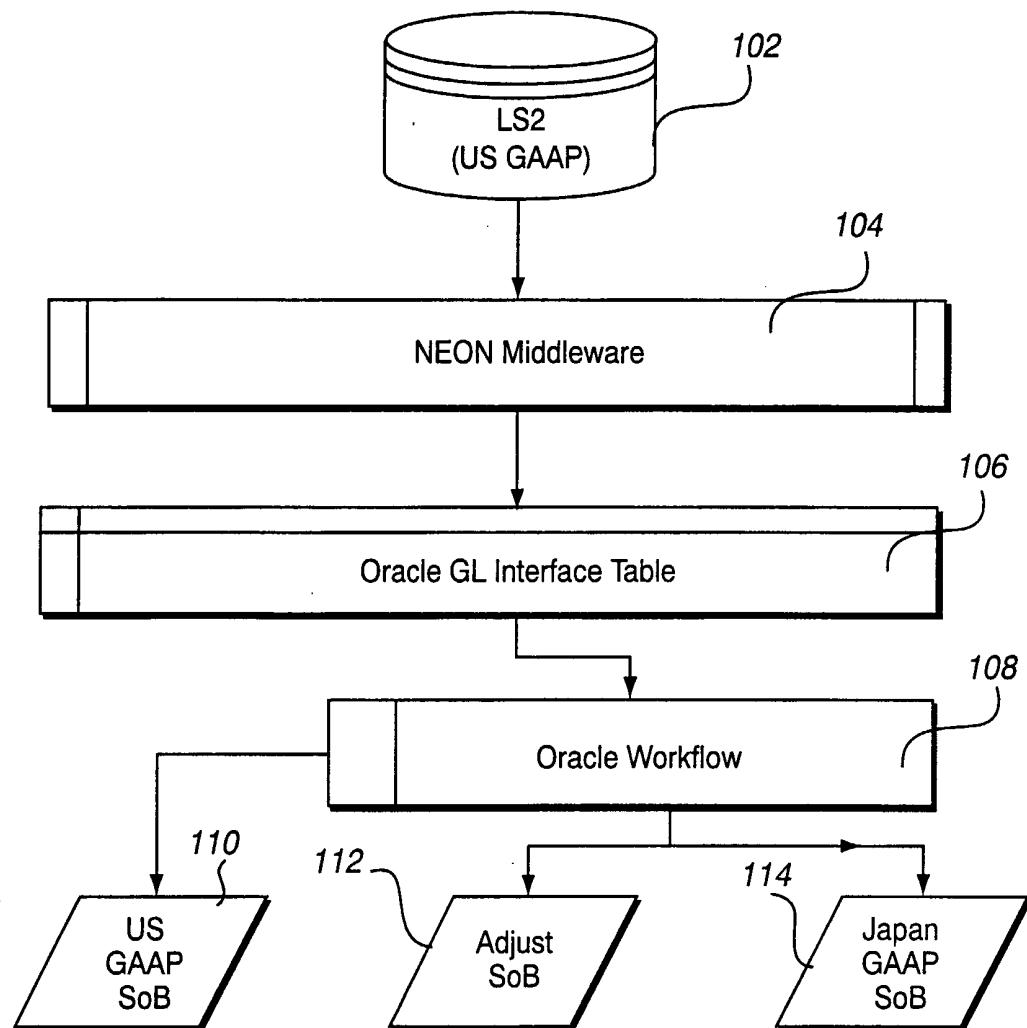
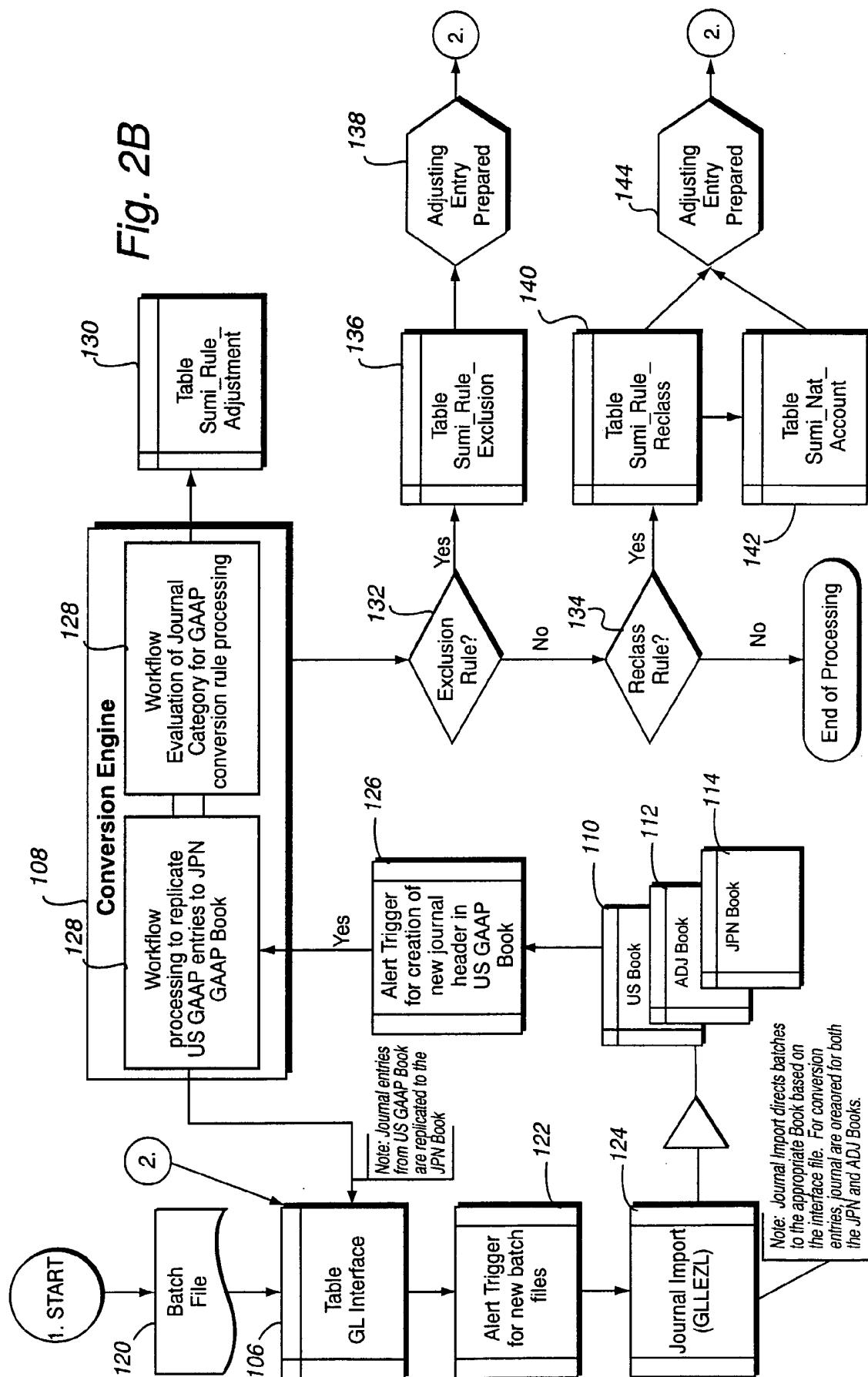


Fig. 2A



**LS2
Fields**

LS2 Code
Tables

Customer_ID(15)-
CUS_XID_CUST_ID

B	B	B	B	H	H	H	H	H	H	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---	---

Entity Text Code (6) - GLE_TXT_ENTITY_CDE

B	B	B	B	A	A
---	---	---	---	---	---

Expense Code (6) - GLE_CDE_EXPENSE

C	C	C	D	D	D
---	---	---	---	---	---

Account Number (15)-GLE_CDE_GL_ACCOUNT

E	E	E	E	E	E	E	E	E	E	E	E	E	E
---	---	---	---	---	---	---	---	---	---	---	---	---	---

Risk Type (6)-PRR_CDE_RISK_TYPE

G	G	G	G	G	G
---	---	---	---	---	---

Portfolio Type (5)-GLE_CDE_PORTFOLIO

L	L	L	L	L
---	---	---	---	---

Security ID (8) - GLE_RID_OUTSTANDING

J	J	J	J	J	J	J	J
---	---	---	---	---	---	---	---

**Oracle GL
Fields**

Accounting
FlexField

IBF/DBF Identifier (2)

A	A
---	---

Booking Branch (4)

B	B	B	B
---	---	---	---

GL ACCOUNT
(6)

X	X	X	X	X	X
---	---	---	---	---	---

Department (3)

D	D	D
---	---	---

Descriptive FlexField

Product Code (6)

G	G	G	G	G	G
---	---	---	---	---	---

Portfolio Code (5)

L	L	L	L	L
---	---	---	---	---

Customer Number (6)

H	H	H	H	H	H
---	---	---	---	---	---

Transaction Reference (8)

J	J	J	J	J	J	J	J
---	---	---	---	---	---	---	---

VAT Identifier (1)

K

Fig. 2C

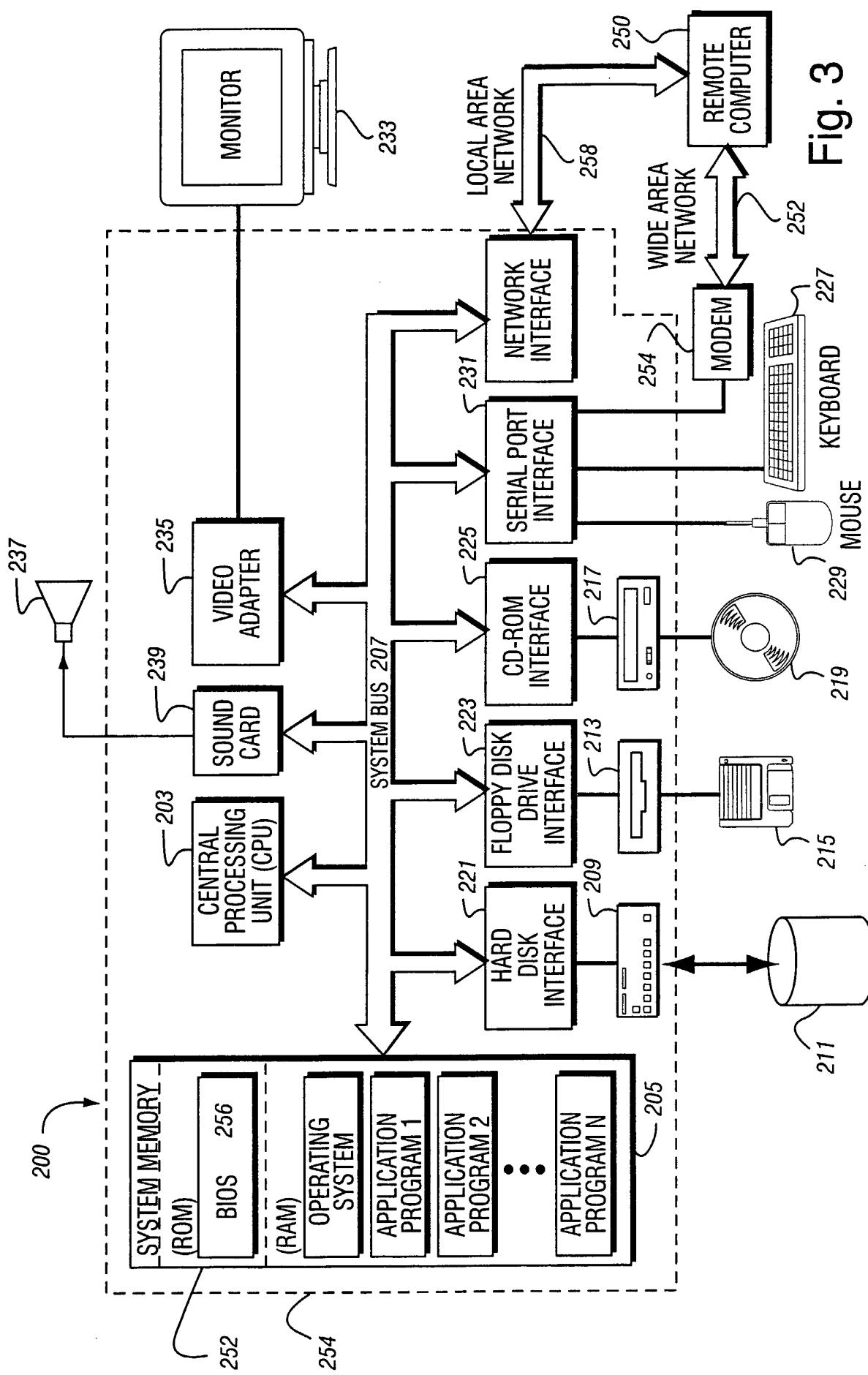


Fig. 3

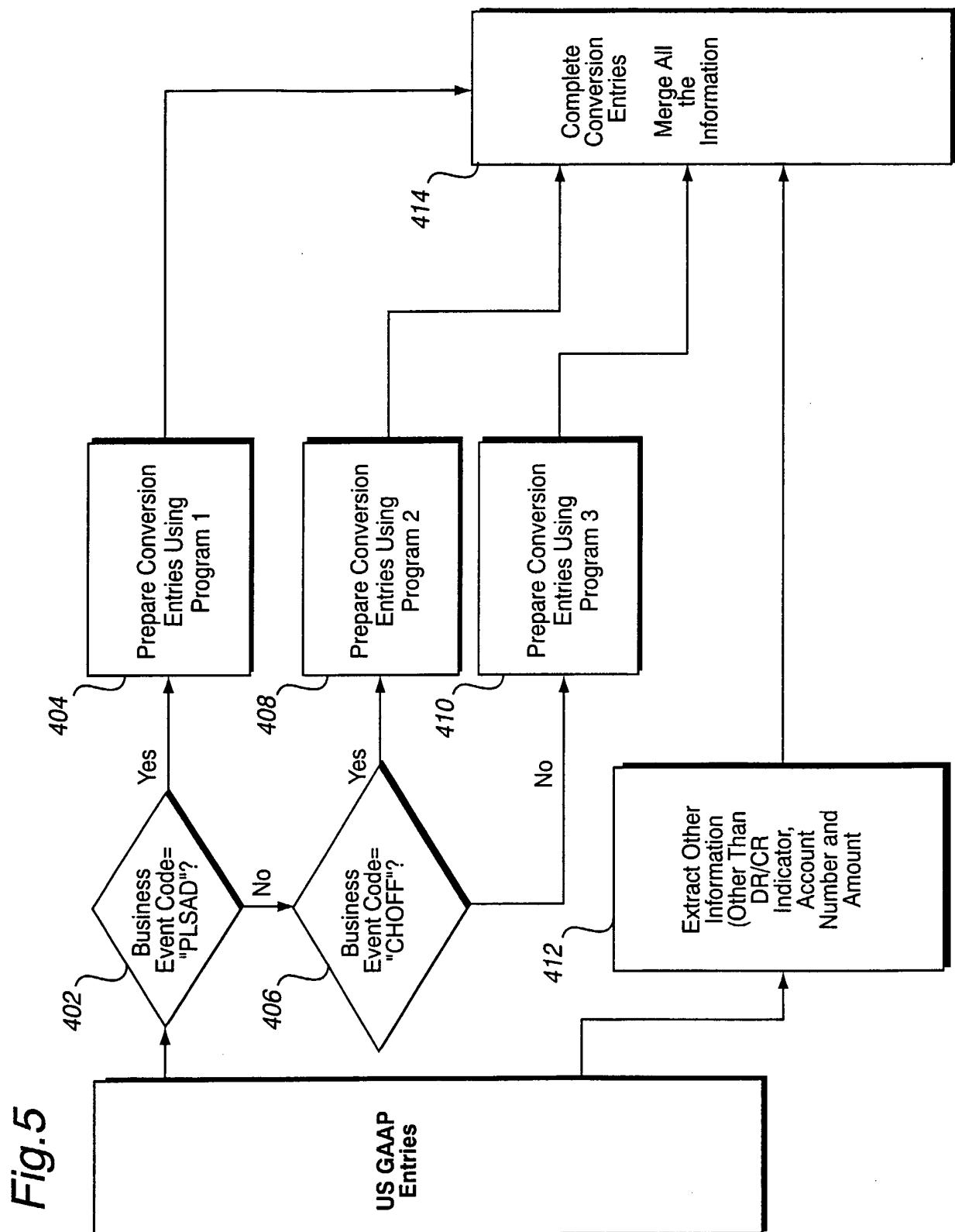
Fig.4

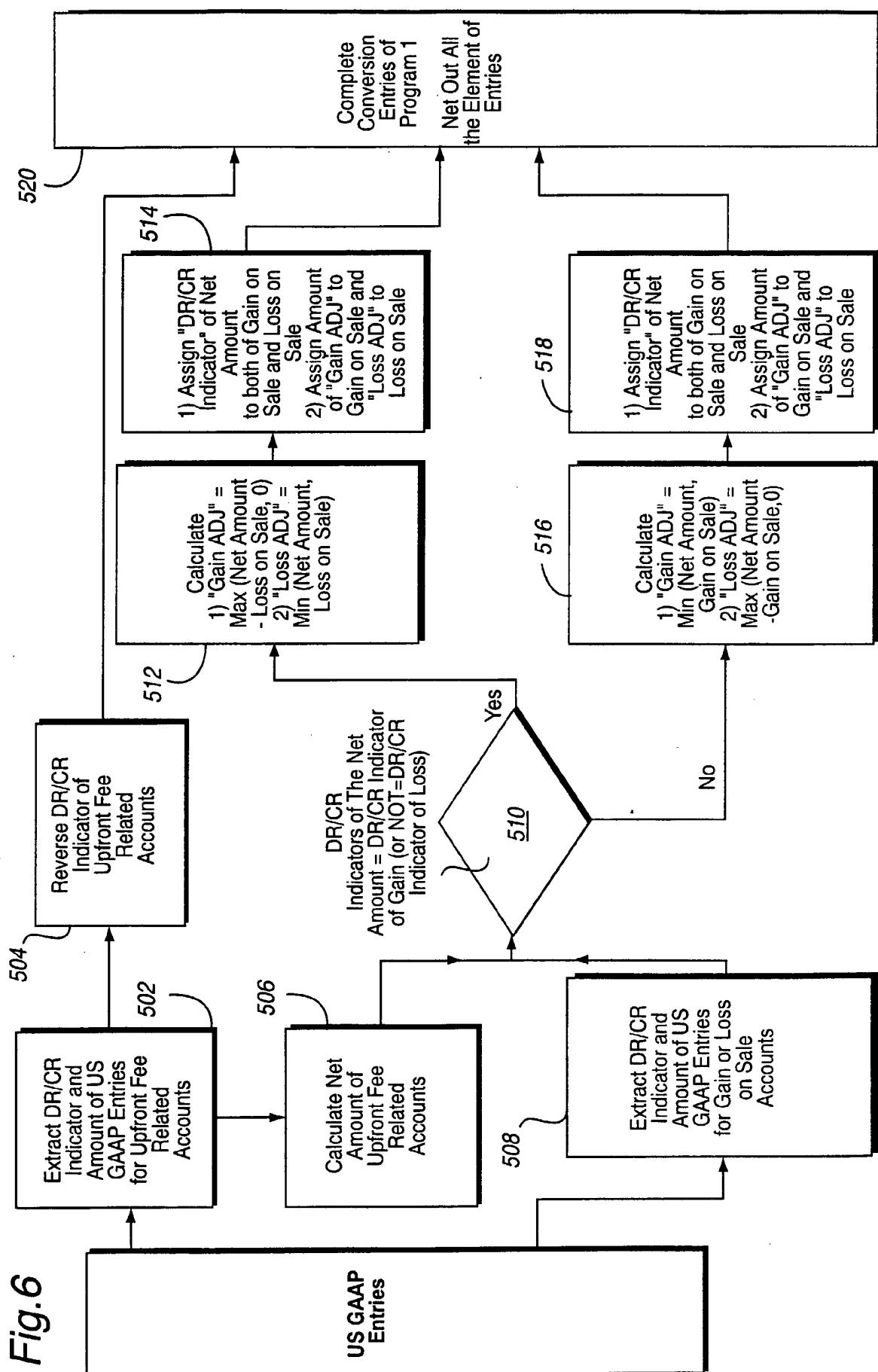
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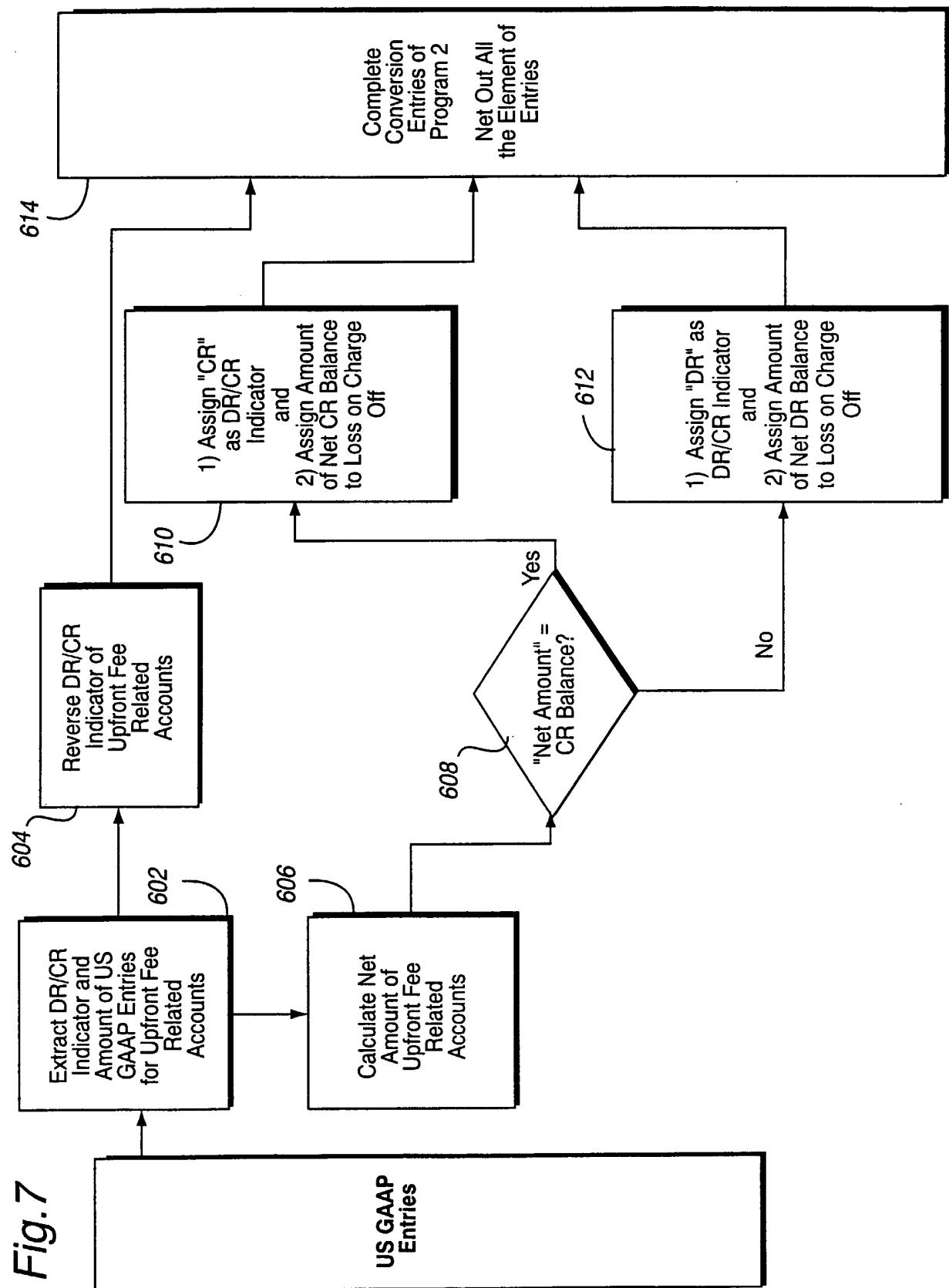
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        A[US GAAP Journal Entry] -- 302 --> B{Portfolio = "LOANPAR?"}
        B -- No --> C{Business Event Code = Upfront Fee Related Codes?}
        C -- Yes --> D[Prepare Conversion Entry (See Next Chart)]
        D -- 310 --> E[US GAAP Entries]
        E -- Conversion Entries --> F[Prepare JP GAAP Entries]
        F -- 312 --> G[Net Out US GAAP Entries and Conversion Entries Modify "Group ID" to = "JP GAAP"]
        G -- Conversion Entries --> H[Prepare JP GAAP Entries to JP GAAP Set of Book]
        H -- 314 --> I[JP GAAP Entries]
        I -- JP GAAP Entries --> J[Export JP GAAP Entries to JP GAAP Set of Book]
        J -- 308 --> K[Modify "Group ID" to = "JP GAAP"]
        K -- 306 --> L[Export JP GAAP Entries to JP GAAP Set of Book]
        L -- JP GAAP Entries --> M[JP GAAP Set of Book]
        M -- JP GAAP --> N[Adjustment Set of Book]
        N -- Conversion Entries --> O[Conversion Entry Adjustment Set of Book]
        O -- Conversion Entries --> P[Conversion Entry Adjustment Set of Book]
        P -- Conversion Entries --> Q[JP GAAP Set of Book]
    
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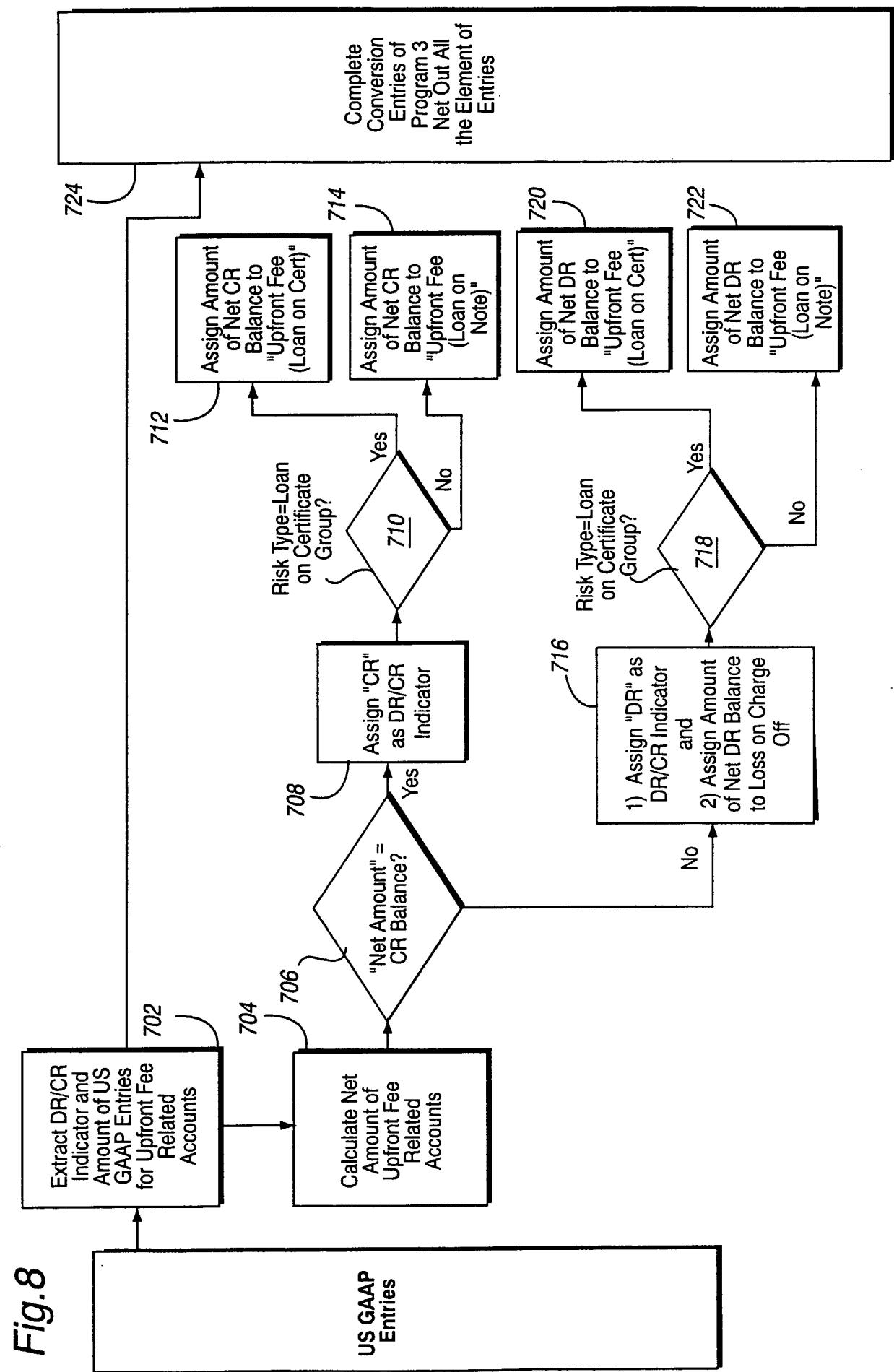
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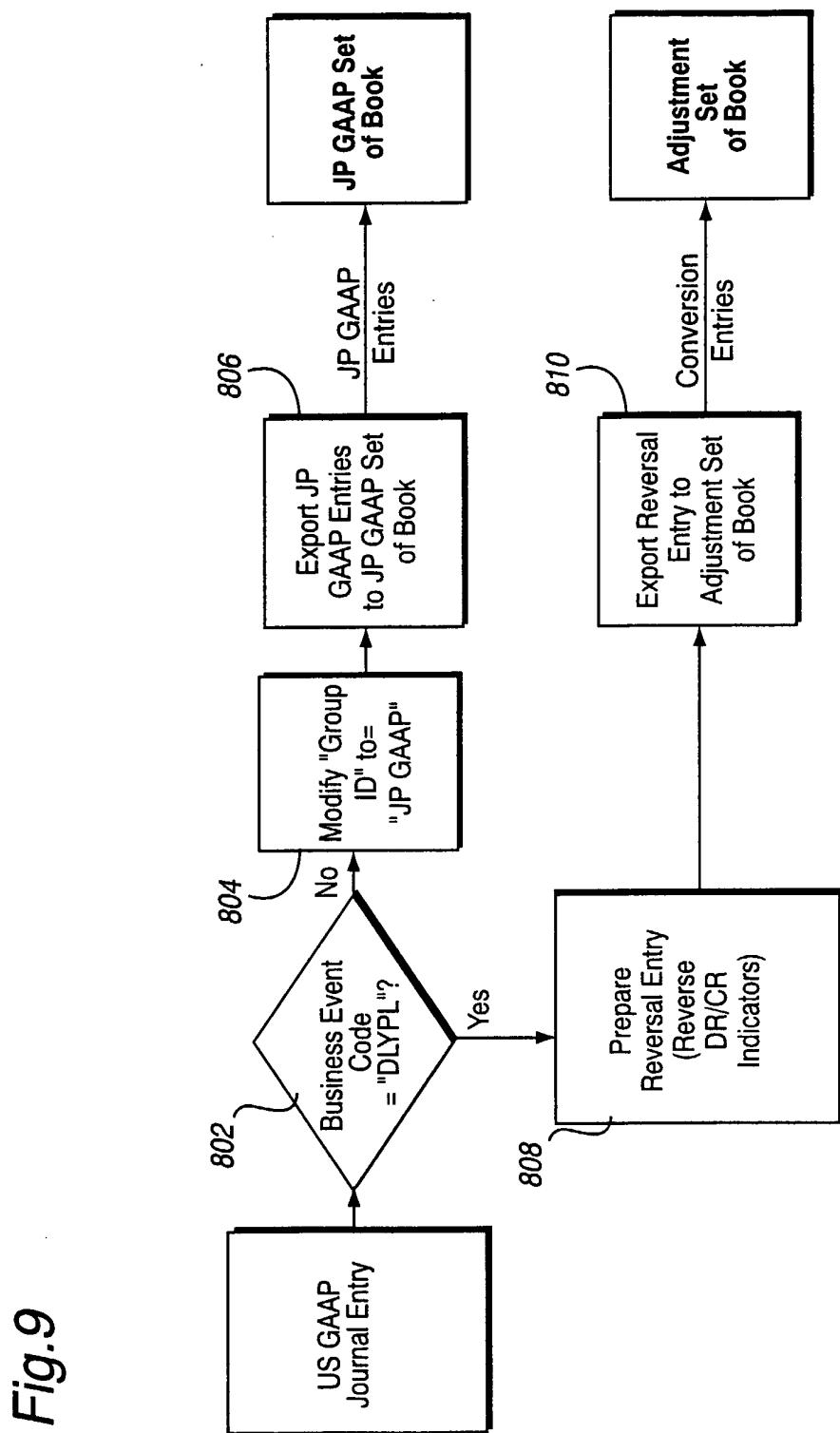
- CBUY
- CCAN
- CSELL
- AMEND
- DLTAC
- DLTNA
- DPRCL
- FRCLS
- FSADJ
- FCTAC
- FCTNA
- EFPPH
- LNADJ
- LADJD
- LADJI
- CHOFF
- LNDR
- LRCLS
- REPRC
- OTACC
- OTNAC
- PLSAD
- FAMRT
- CPSDI
- CPSDC
- UFFBR











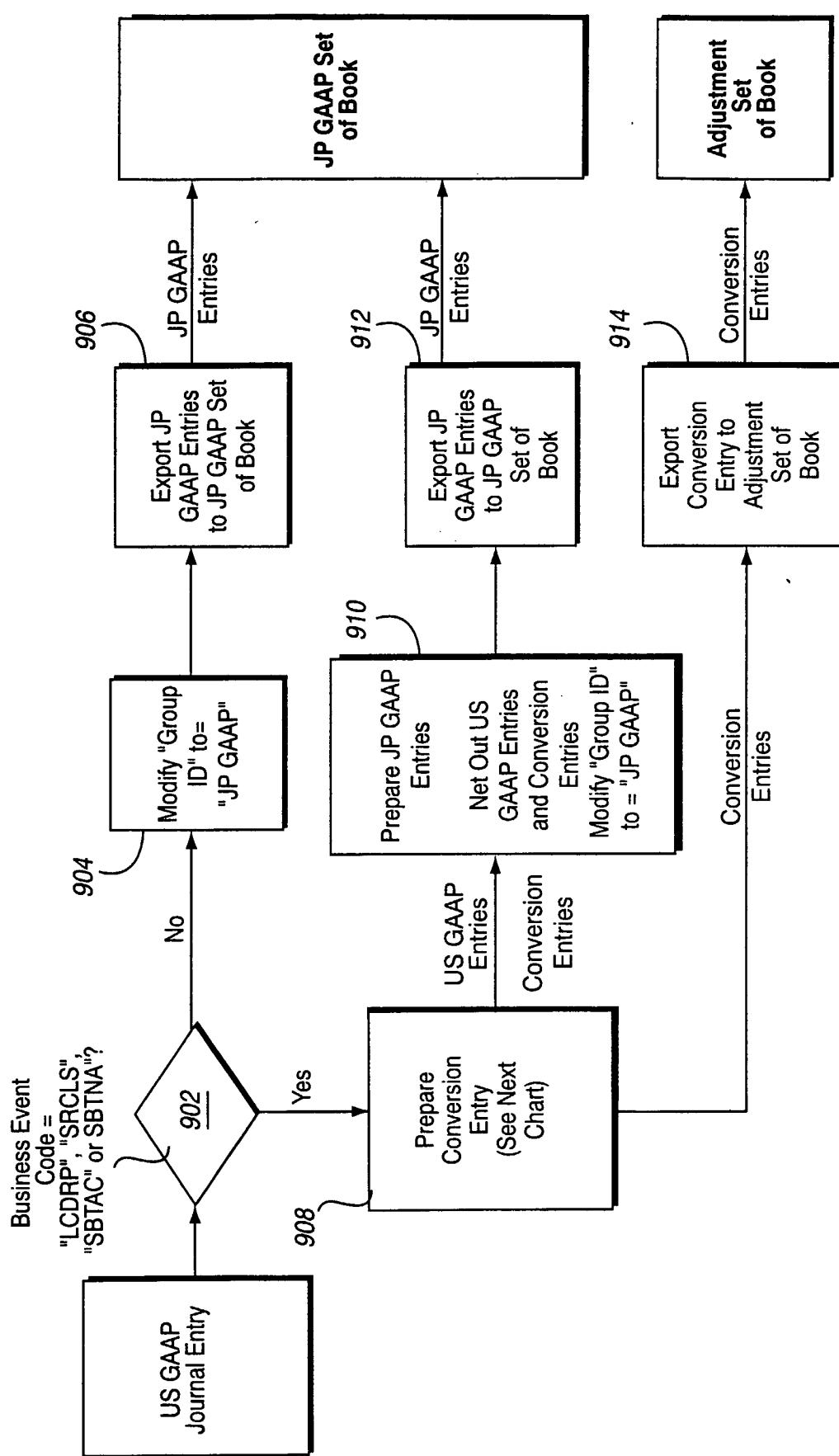
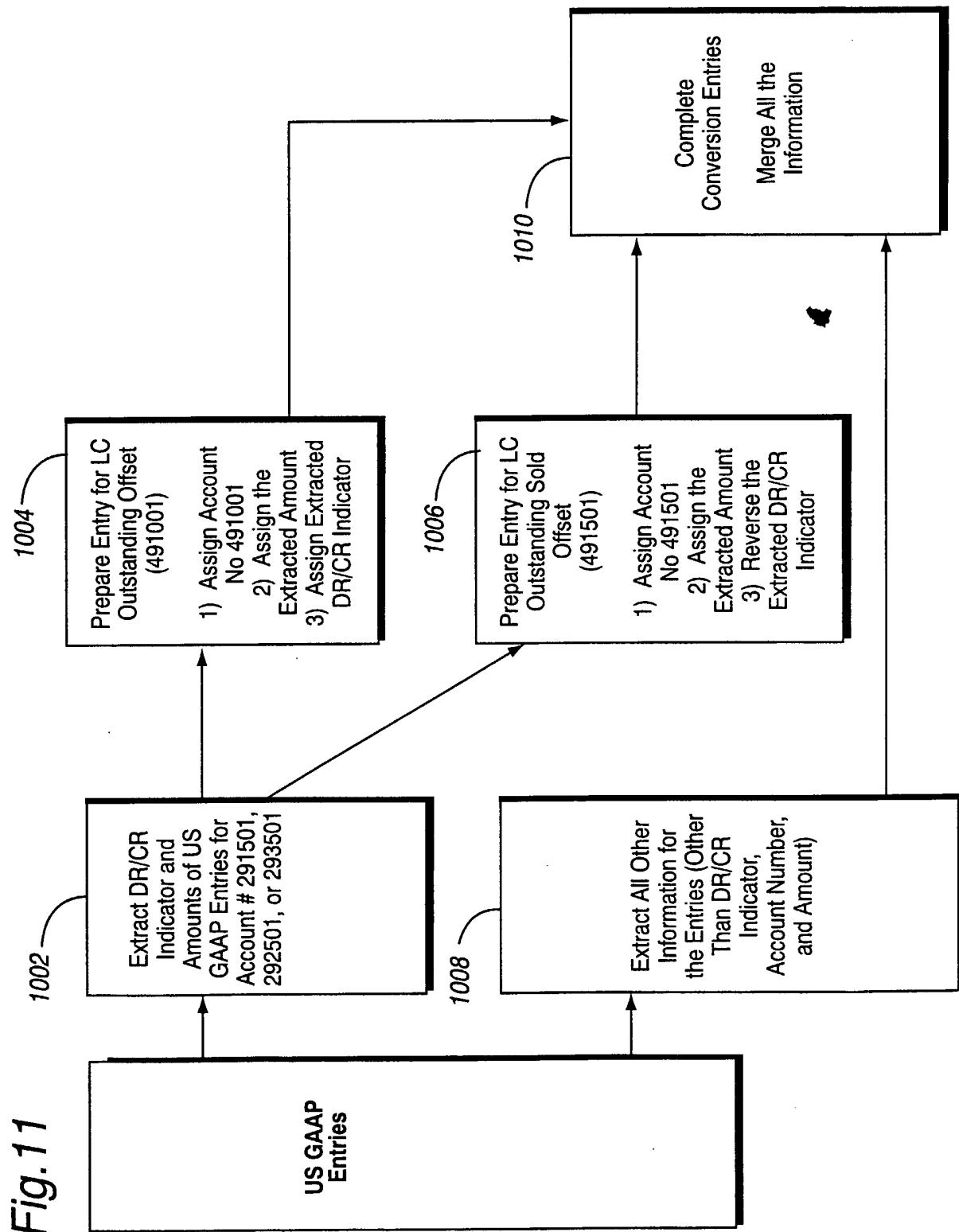


Fig. 10



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/33904

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :G06F 17/60

US CL :705/30, 33

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)

U.S. : 705/30, 33

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

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

EAST

search terms: ledger, book, notebook, journal, accounting, format, arrangement, japanese, united states, usa

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,966,700 A (GOULD et al) 12 October 1999, see entire document.	1-30
Y	Financial Systems Interface, IBM tech. dis. bull., October 1 1988, Vol . 31, No. 5.	1-30

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance		
"E" earlier document published on or after the international filing date	"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
"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

21 FEBRUARY 2001

Date of mailing of the international search report

06 APR 2001

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231
Facsimile No. (703) 305-3230

Authorized officer

WALTER MALINOWSKI

Telephone No. (703) 308-3172