



US006032137C1

(12) **EX PARTE REEXAMINATION CERTIFICATE** (6063rd)
United States Patent
Ballard

(10) **Number:** **US 6,032,137 C1**
(45) **Certificate Issued:** **Dec. 25, 2007**

(54) **REMOTE IMAGE CAPTURE WITH
CENTRALIZED PROCESSING AND
STORAGE**

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Reexamination Request:
No. 90/007,830, Nov. 25, 2005

Reexamination Certificate for:
Patent No.: **6,032,137**
Issued: **Feb. 29, 2000**
Appl. No.: **09/081,012**
Filed: **May 19, 1998**

Related U.S. Application Data

(63) Continuation-in-part of application No. 08/917,761, filed on
Aug. 27, 1997, now Pat. No. 5,910,988.

(51) **Int. Cl.**
G06Q 20/00 (2006.01)
G06K 9/00 (2006.01)
G06K 17/00 (2006.01)
H04L 9/00 (2006.01)

(52) **U.S. Cl.** **705/75**
(58) **Field of Classification Search** None
See application file for complete search history.

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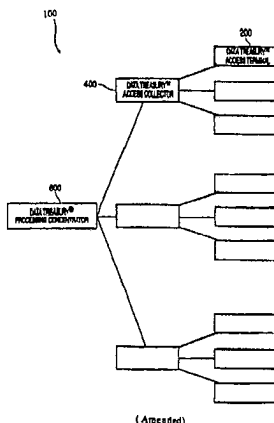
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Primary Examiner—Peter C. English

(57) **ABSTRACT**

A system for remote data acquisition and centralized processing and storage is disclosed called the Data Treasury™ System. The DataTreasury™ System provides comprehensive support for the processing of documents and electronic data associated with different applications including sale, business, banking and general consumer transactions. The system retrieves transaction data such as credit card receipts checks in either electronic or paper form at one or more remote locations, encrypts the data, transmits the encrypted data to a central location, transforms the data to a usable form, performs identification verification using signature data and biometric data, generates informative reports from the data and transmits the informative reports to the remote locations(s). The DataTreasury™ System has many advantageous features which work together to provide high performance, security, reliability, fault tolerance and low cost. First, the network architecture facilitates secure communication between the remote location(s) and the central processing facility. A dynamic address assignment algorithm performs load balancing among the system's servers for faster performance and higher utilization. Finally, a partitioning scheme improves the error correction process.



(Amended)

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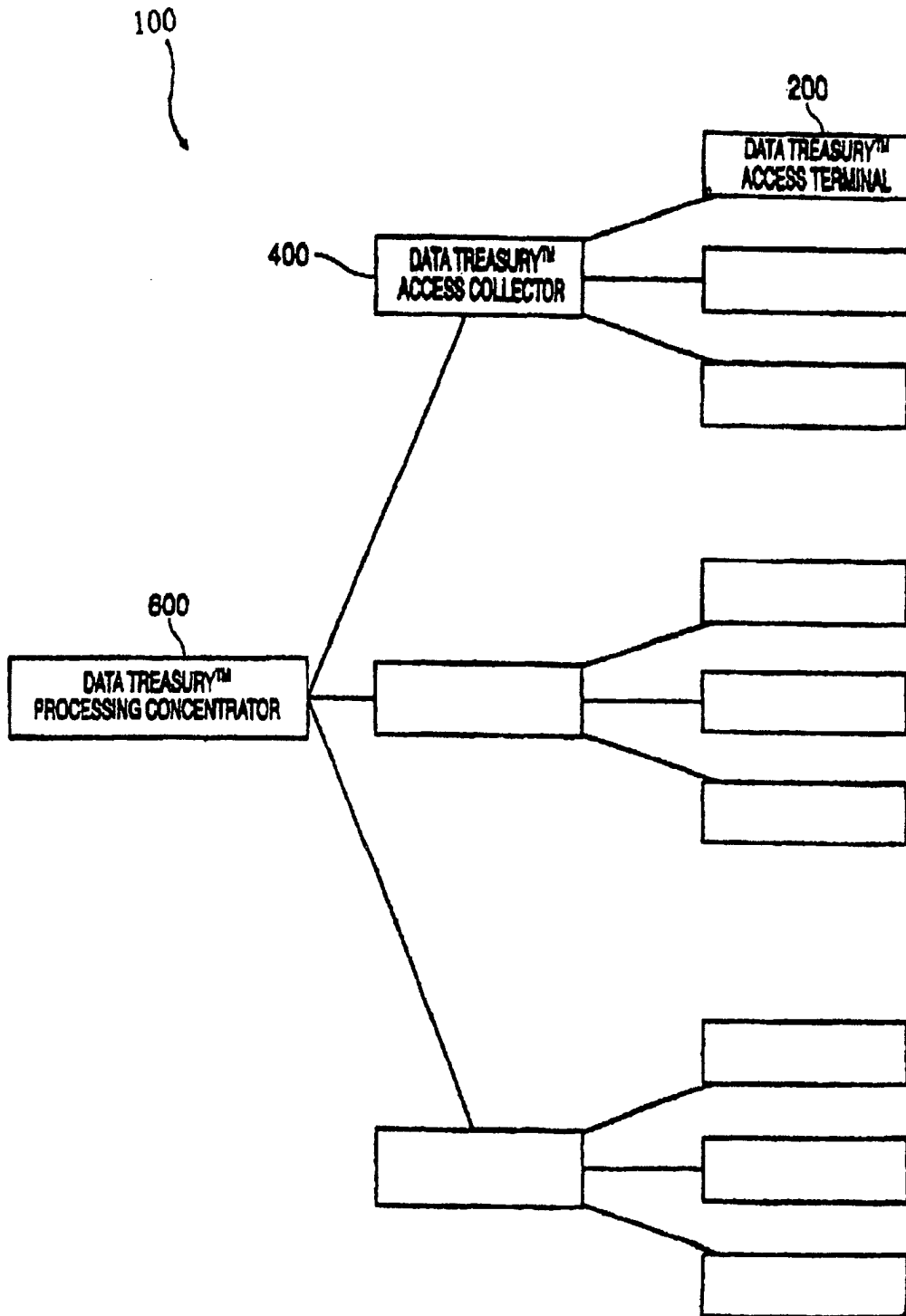


FIG. 1 (Amended)

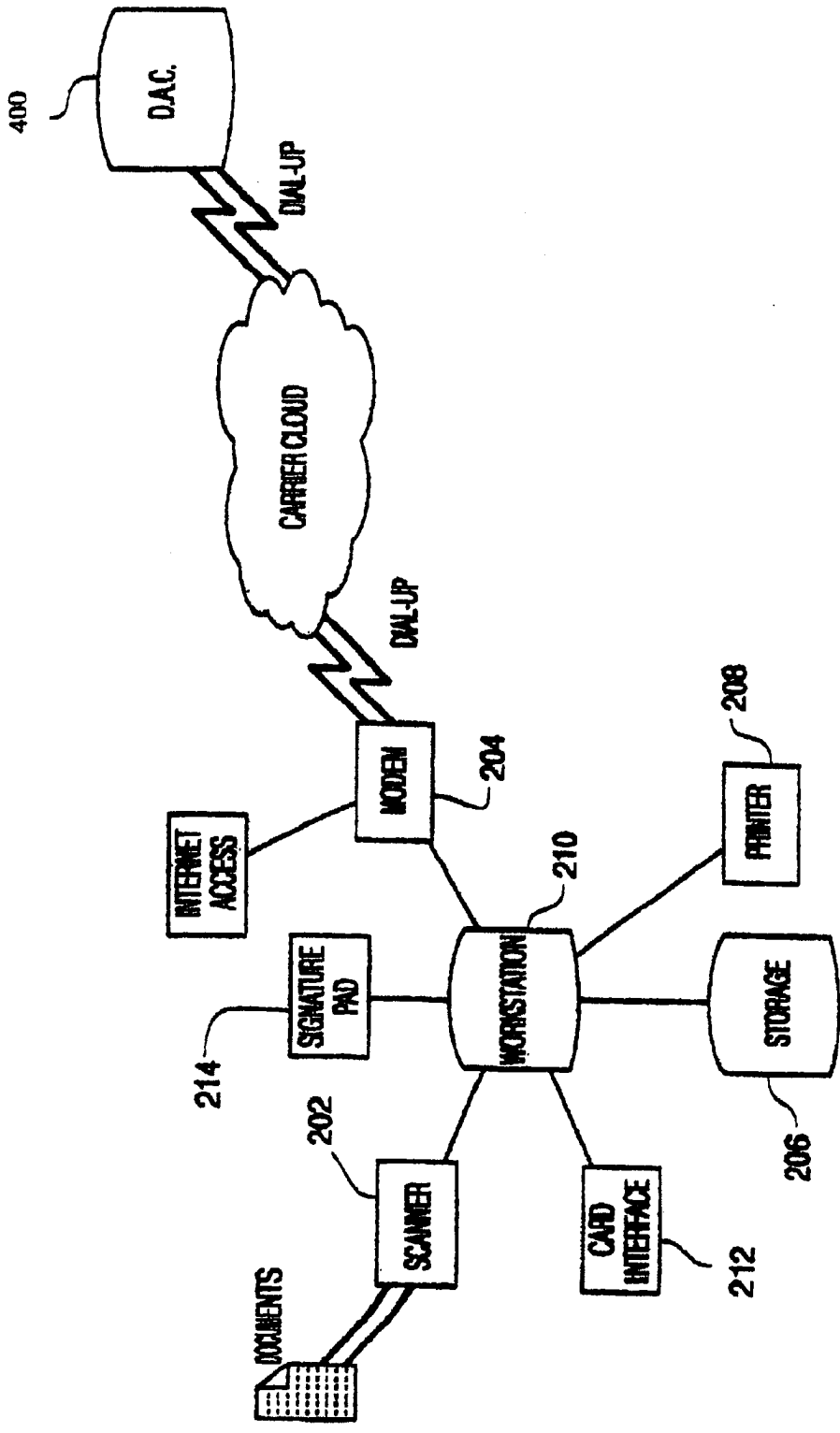


FIG. 2 (Amended)

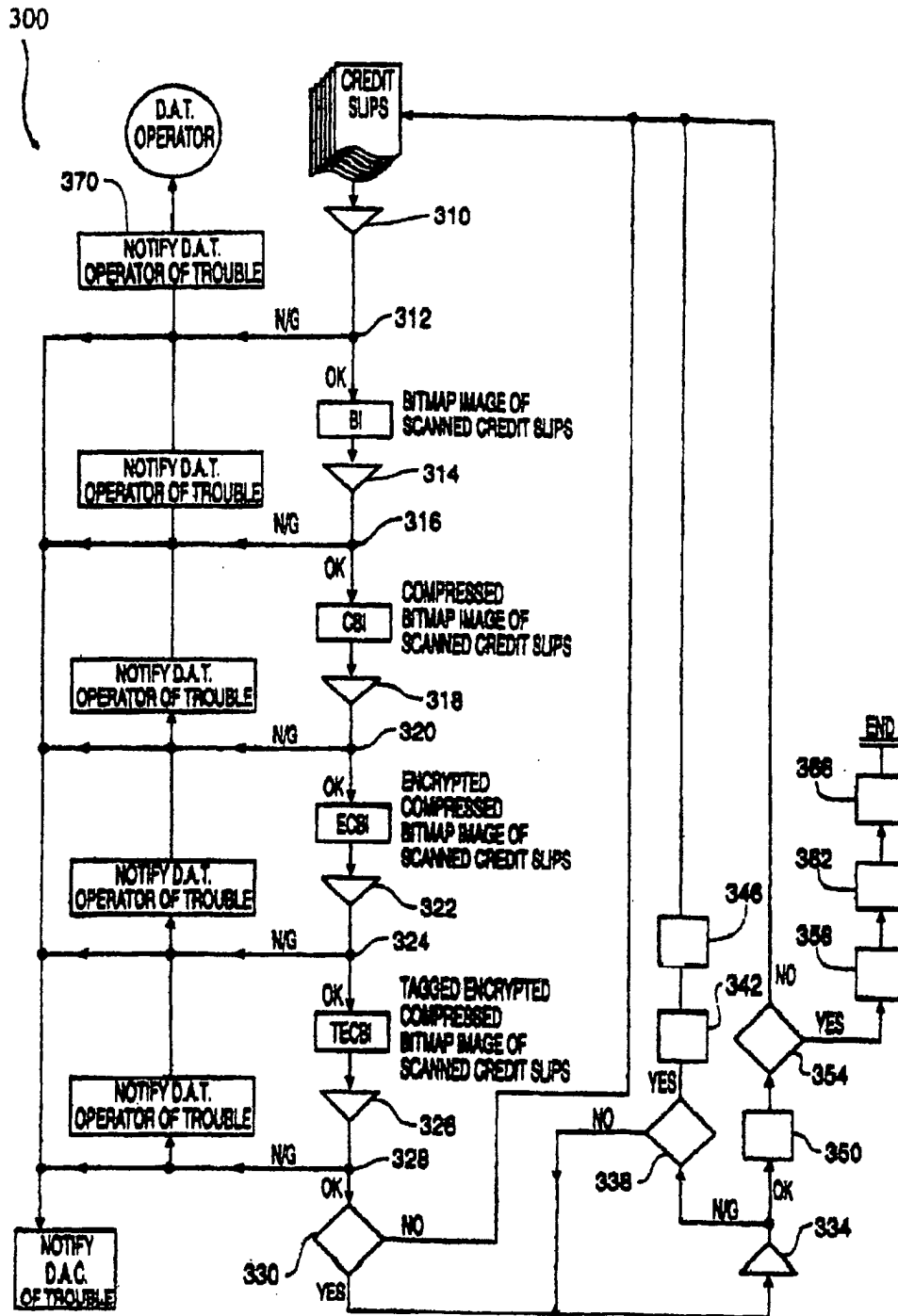


FIG. 3A (Amended)

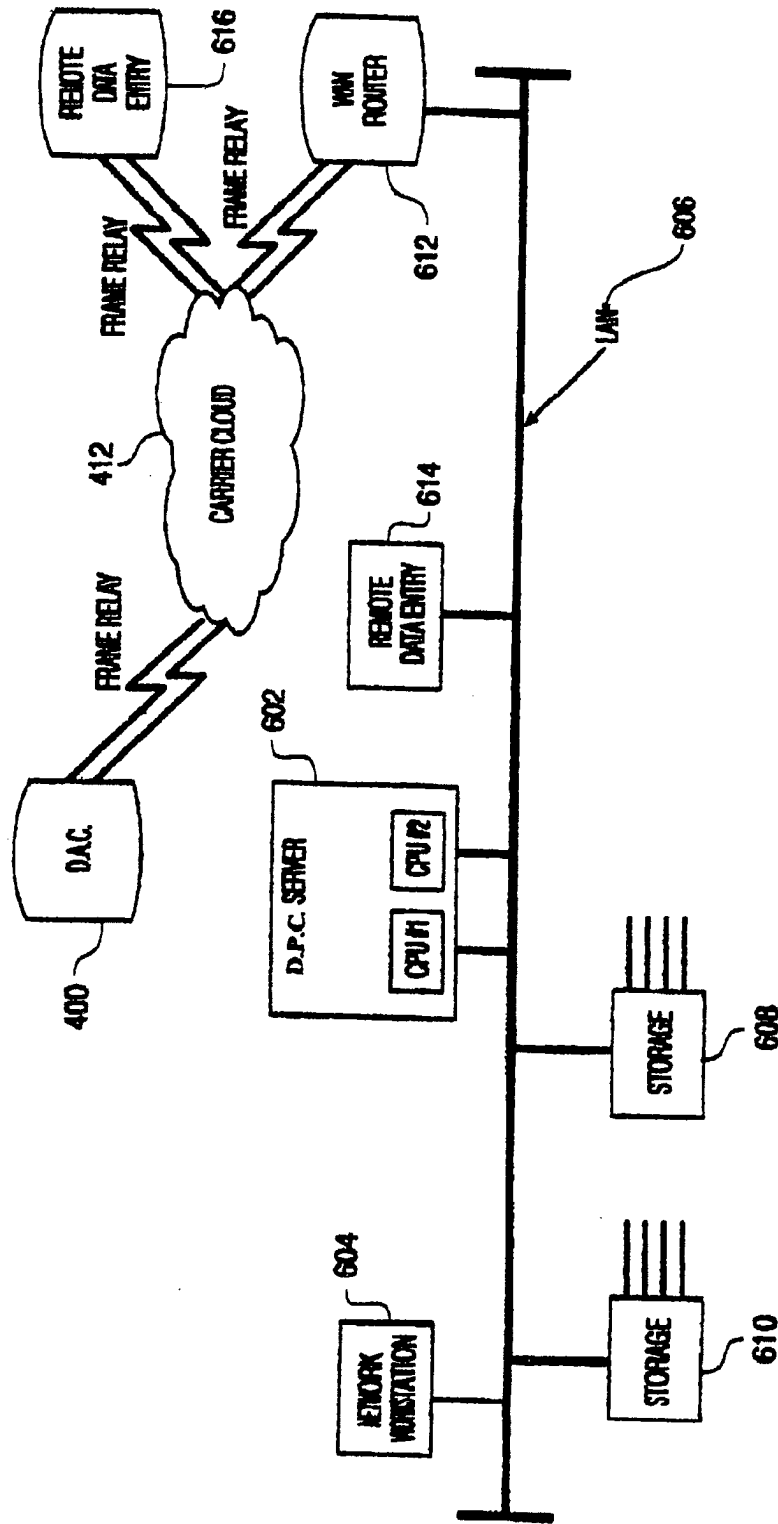


FIG. 6 (Amended)

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**EX PARTE
REEXAMINATION CERTIFICATE
ISSUED UNDER 35 U.S.C. 307**

THE PATENT IS HEREBY AMENDED AS
INDICATED BELOW.

Matter enclosed in heavy brackets [] appeared in the patent, but has been deleted and is no longer a part of the patent; matter printed in italics indicates additions made to the patent.

ONLY THOSE PARAGRAPHS OF THE
SPECIFICATION AFFECTED BY AMENDMENT
ARE PRINTED HEREIN.

Column 6, lines 23-26:

Since [DataGlyph] *DataGlyph*TM elements represent a large amount of information in a small amount of space, the DAT scanner [100] 202 will require a small amount of time to input a large amount of information.

Column 19, lines 59-63:

FIG. 7 is a flow chart 700 describing the polling of the DACs [300] 400 by a DPC 600 and the transmission of the TECBIs from the DACs [300] 400 to the DPC 600. In step 702, the DPC 600 reads the address of the first DAC [300] 400 in its region for polling.

Column 19, line 64 to column 20, line 2:

In step 704, the DPC 600 connects with a DAC [300] 400 for transmission. The DPC 600 determines whether the connection to the DAC [300] 400 was successful in step 706. If the call to the DAC [300] 400 was unsuccessful, the DPC 600 will record the error condition in the session summary report and will report the error to the DPC 600 manager in step 722.

Column 20, lines 3-7:

If the connection to the DAC [300] 400 was successful, the DPC 600 will verify that the DAC [300] 400 is ready to transmit in step 708. If the DAC [300] 400 is not ready to transmit, the DPC 600 will record the error condition in the session summary report and will report the error to the DPC 600 manager in step 722.

Column 20, lines 8-15:

If the DAC [300] 400 is ready to transmit in step 708, the DAC [300] 400 will transmit a TECBI packet header to the DPC 600 in step 710. The DPC 600 will determine whether the transmission of the TECBI packet header was successful in step 712. If the transmission of the TECBI packet header was unsuccessful, the DPC 600 will record the error condition in the session summary report and will report the error to the DPC 600 manager in step 722.

Column 20, lines 16-23:

If the transmission of the TECBI packet header was successful in step 712, the DAC [300] 400 will transmit a TECBI packet to the DPC 600 in step 714. The DPC 600 will determine whether the transmission of the TECBI packet was successful in step 716. If the transmission of the TECBI packet header was unsuccessful, the DPC 600 will record the error condition in the session summary report and will report the error to the DPC 600 manager in step 722.

Column 20, lines 31-41:

If the TECBI packet header matched the TECBI packet in step 718, the DPC 600 will set the status of the TECBI packet to indicate that it was received at the DPC 600 in step 720. The DPC 600 will also transmit the status to the DAC

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[300] 400 to indicate successful completion of the polling and transmission session in step 720. Next, the DPC 600 will determine whether TECBIs have been transmitted from all of the DACs [300] 400 in its region in step 724. If all DACs [300] 400 in the DPC's 600 region have transmitted TECBIs to the DPC 600, the DPC 600 will compile a DAC [300] 400 status report in step 728 before terminating the session.

Column 20, lines 42-47:

If one or more DACs [300] 400 in the DPC's 600 region have not transmitted TECBIs to the DPC 600, the DPC 600 will get the address of the next DAC [300] 400 in the region in step 726. Next, control returns to step 704 where the next DAC [300] 400 in the DPC's 600 region will be polled as previously discussed.

Column 22, lines 8-17:

In step 1006, the DataTreasuryTM system captures the check and the payer's biometric data at the payee's remote location. In an alternate embodiment, the DataTreasuryTM system sends electronic transaction data representing the check from the payer's remote location to the [payer's] payee's remote location. In step 1008, the DataTreasuryTM system performs verification of the check and biometric data by comparing the remotely captured data with the data stored at a central location. The validation further includes checking the courtesy amount and the payer's signature.

THE DRAWING FIGURES HAVE BEEN
CHANGED AS FOLLOWS:

FIG. 1, reference number 100 added; FIG. 2, reference number 300 changed to 400; FIG. 3A, reference number 300 added; FIG. 6 "D.A.C." changed to "D.P.C." in box 602.

AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT:

The patentability of claims 1-43 is confirmed.

New claims 44-67 are added and determined to be patentable.

44. A system as in claim 1 wherein said one or more remote data access subsystems also capture electronic transactions from at least one of credit cards and debit cards.

45. A system as in claim 1 further comprising at least one card interface for capturing electronic transaction data.

46. A system as in claim 1 further comprising at least one signature interface for capturing an electronic signature.

47. A system as in claim 1 further comprising at least one biometric interface for capturing biometric data.

48. A system as in claim 1 wherein the system automatically generates at least one of credit card statements, bank statements, and tax reports.

49. A system as in claim 1 wherein said at least one central data processing subsystem polls said one or more remote data access subsystems for transaction data.

50. A system as in claim 1 wherein said transaction data comprises more than one type of transaction data.

51. A method as in claim 26 further comprising capturing electronic transaction data.

52. A method as in claim 26 further comprising capturing an electronic signature.

53. A method as in claim 26 further comprising capturing biometric data.

54. A method as in claim 26 further comprising automatically generating at least one of credit card statements, bank statements, and tax reports.

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- 55. A method as in claim 26 wherein said transaction data comprises more than one type of transaction data.
- 56. A system as in claim 42 wherein said one or more remote data access subsystems also capture electronic transactions from at least one of credit cards and debit cards.
- 57. A system as in claim 42 further comprising at least one card interface for capturing electronic transaction data.
- 58. A system as in claim 42 further comprising at least one signature interface for capturing an electronic signature.
- 59. A system as in claim 42 further comprising at least one biometric interface for capturing biometric data.
- 60. A system as in claim 42 wherein the system automatically generates at least one of credit card statements, bank statements, and tax reports.
- 61. A system as in claim 42 wherein said at least one central data processing subsystem polls said one or more remote data access subsystems for transaction data.

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- 62. A system as in claim 42 wherein said transaction data comprises more than one type of transaction data.
- 63. A method as in claim 43 further comprising capturing electronic transaction data.
- 64. A method as in claim 43 further comprising capturing an electronic signature.
- 65. A method as in claim 43 further comprising capturing biometric data.
- 66. A method as in claim 43 further comprising automatically generating at least one of credit card statements, bank statements, and tax reports.
- 67. A method as in claim 43 wherein said transaction data comprises more than one type of transaction data.

* * * * *