

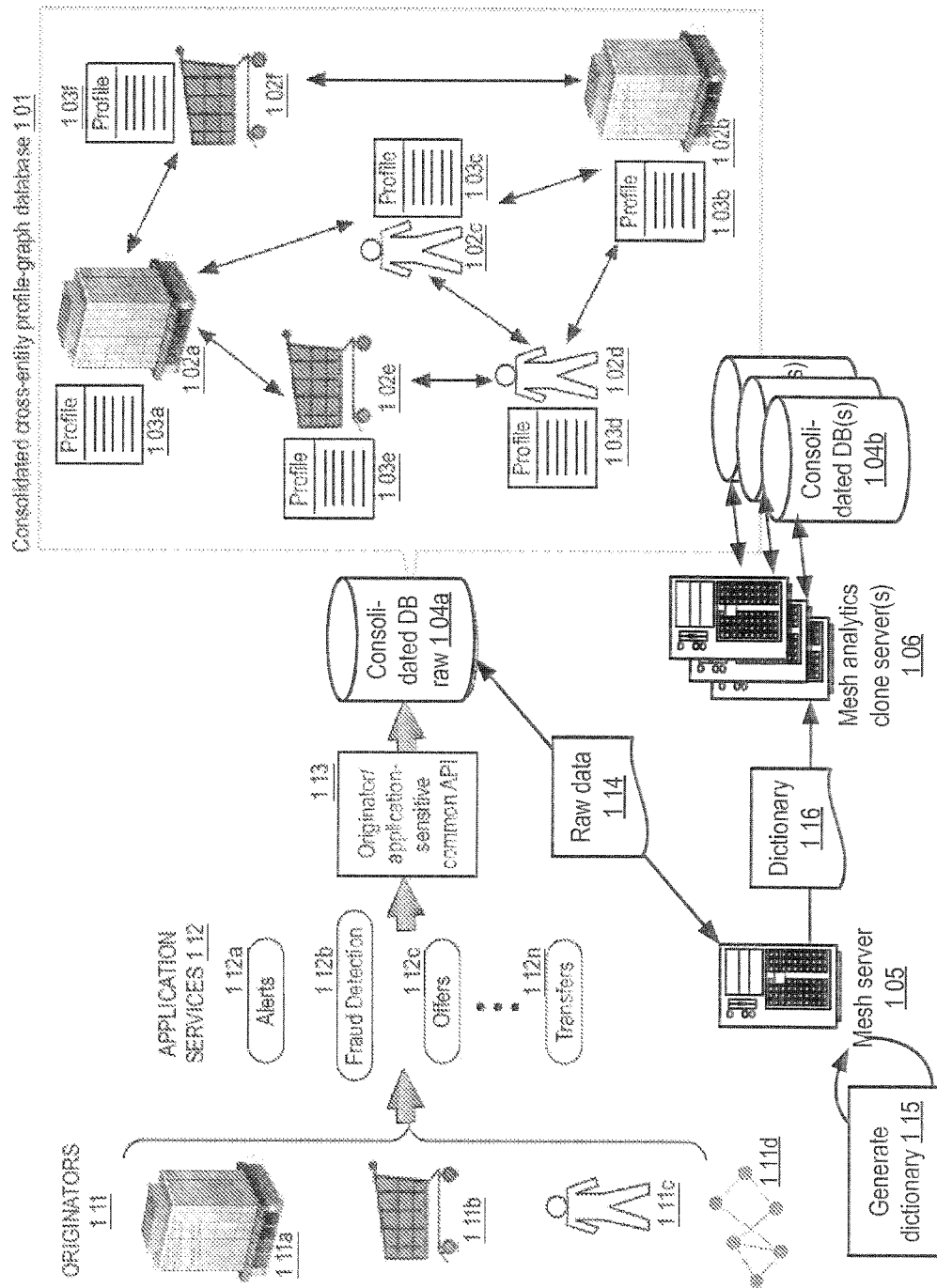
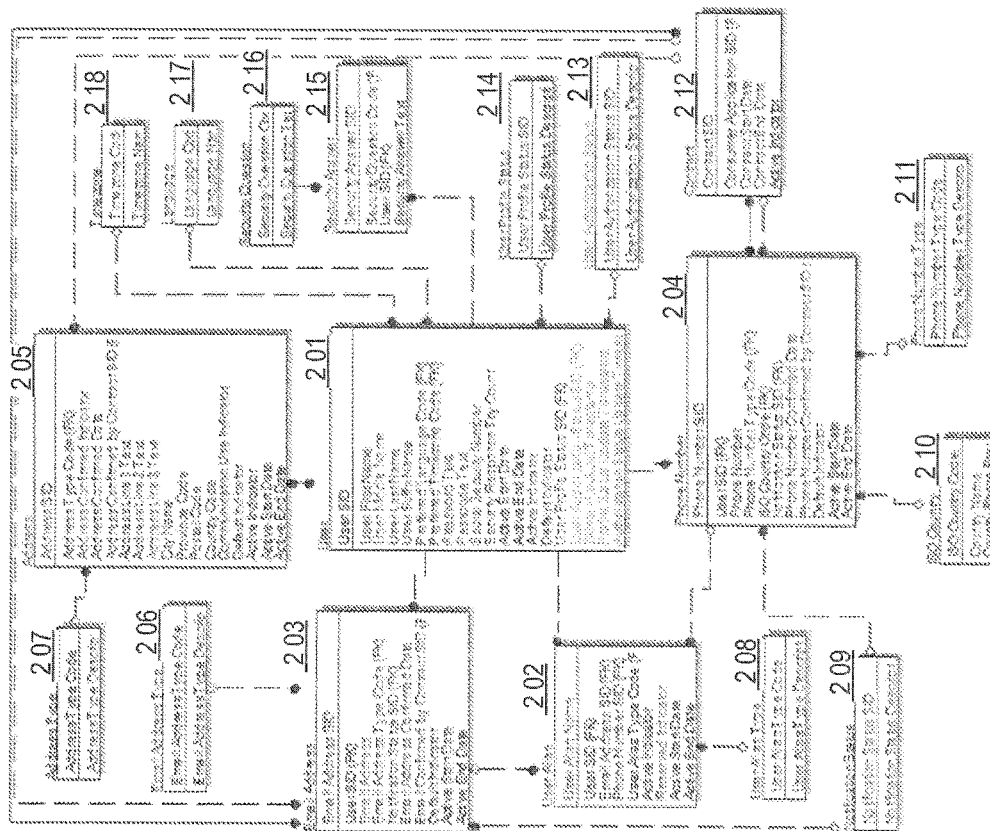


FIGURE 1

Example: User Service Usage Attributes Data Model



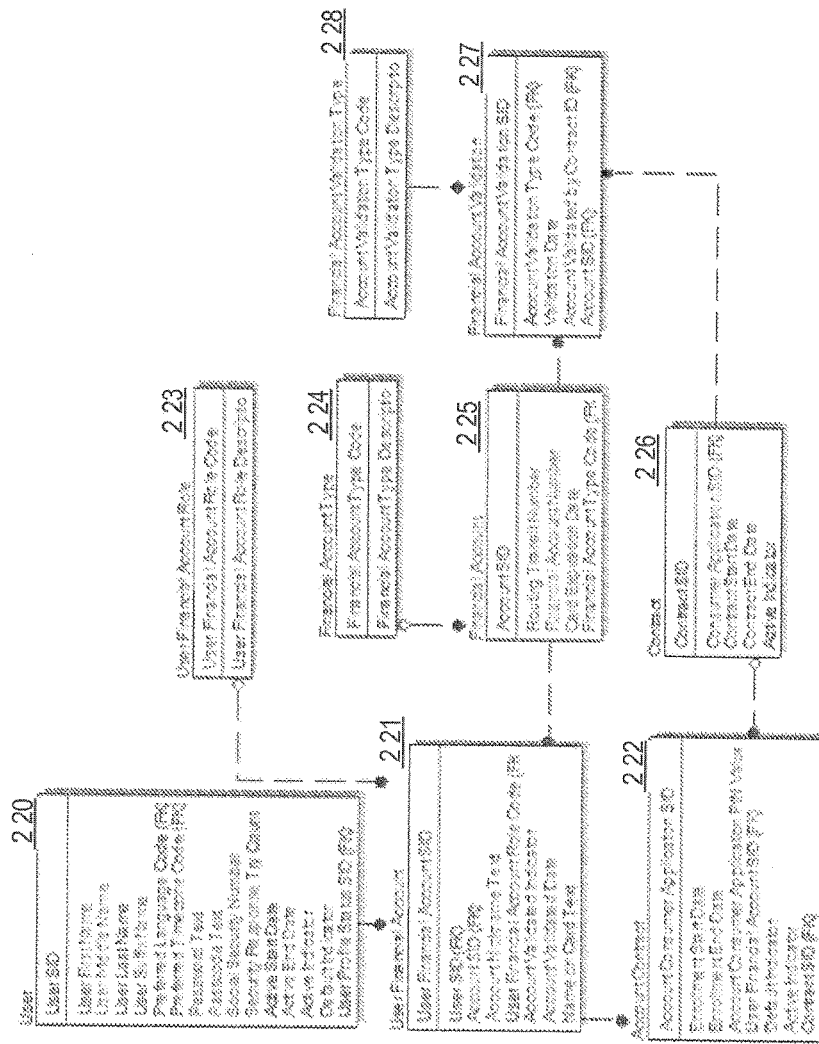


FIGURE 2B

Example: User Profile Attributes Data Model

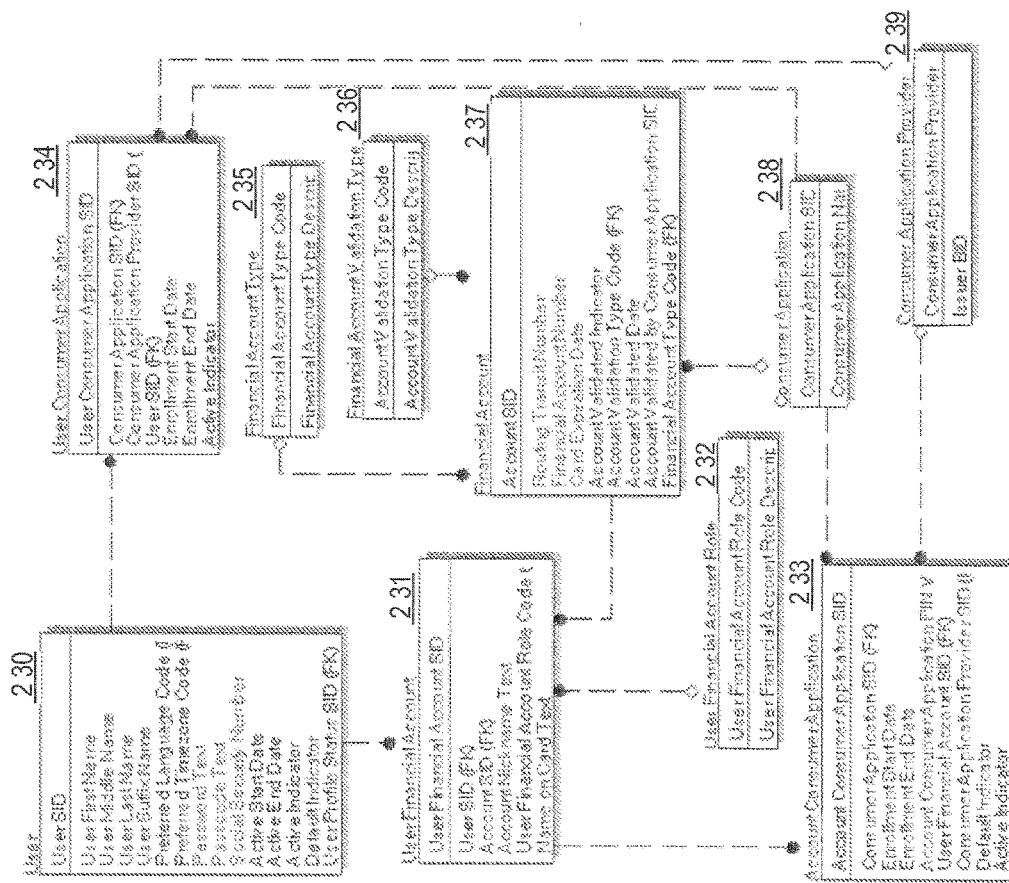


FIGURE 2C

Example: User Profile Attributes Data Model

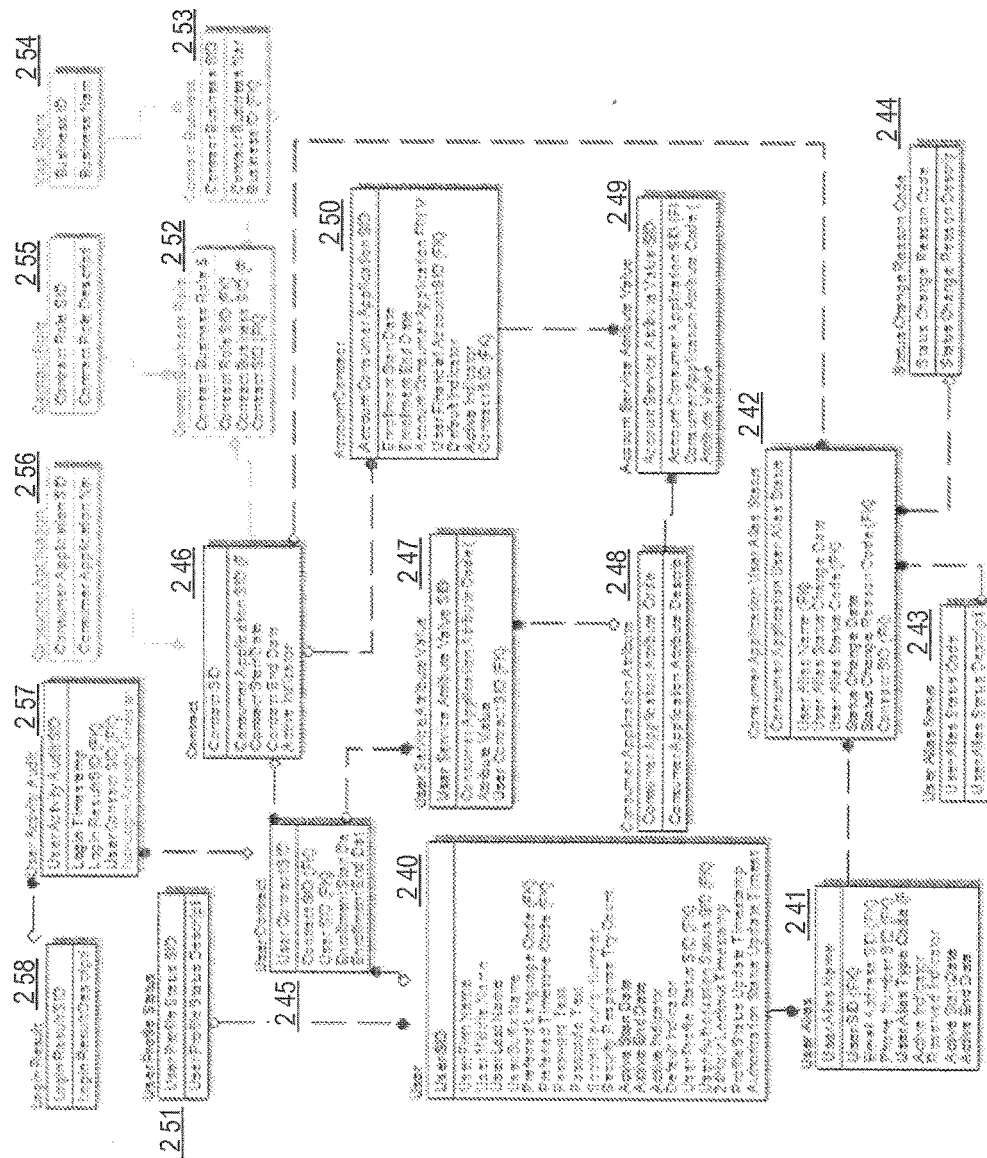


FIGURE 2D

Example: User Profile Attributes Data Model

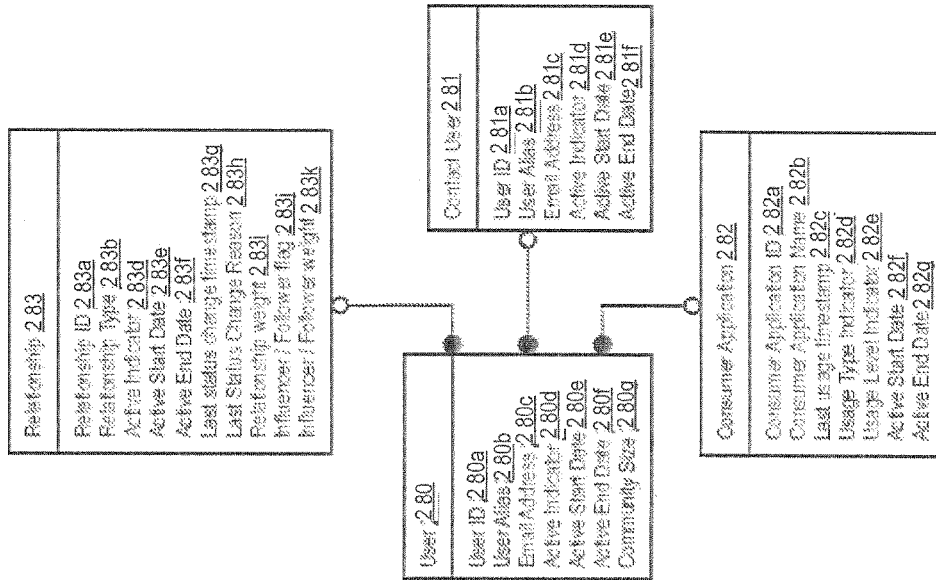


FIGURE 2F

Example: User Profile Attributes Data Model

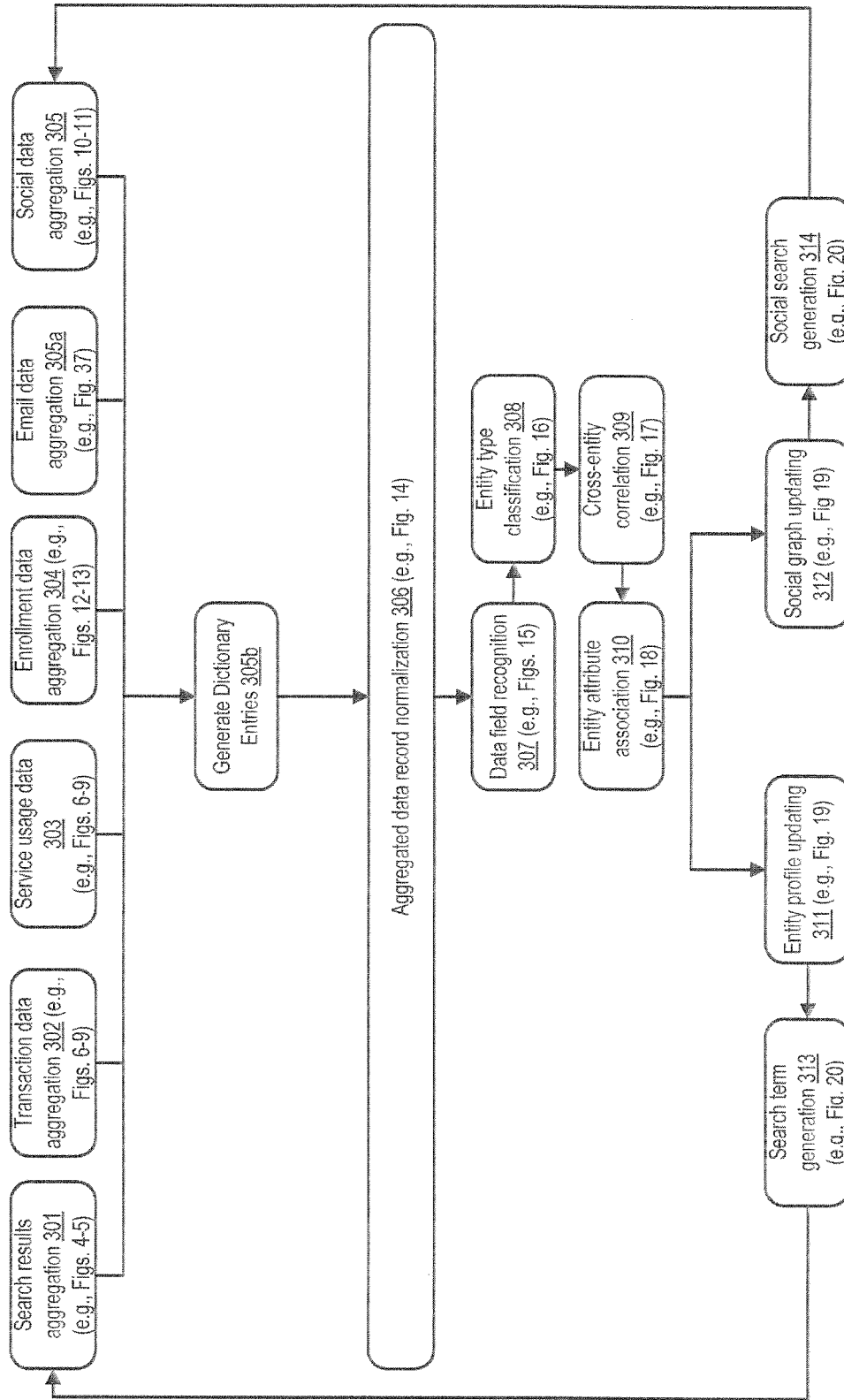


FIGURE 3

Example: Centralized Personal Information Platform Components

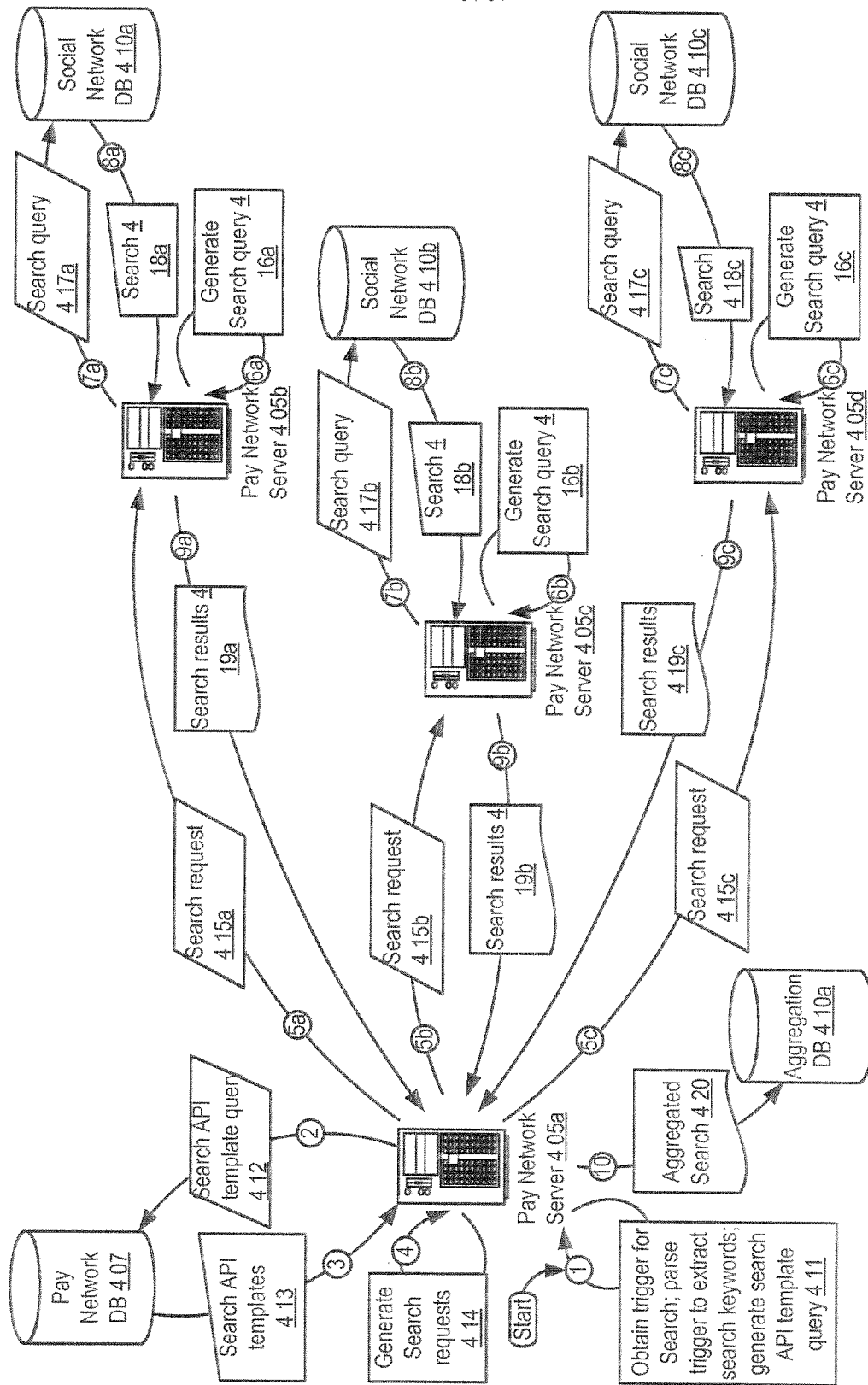


FIGURE 4 Example: Search Results Aggregation

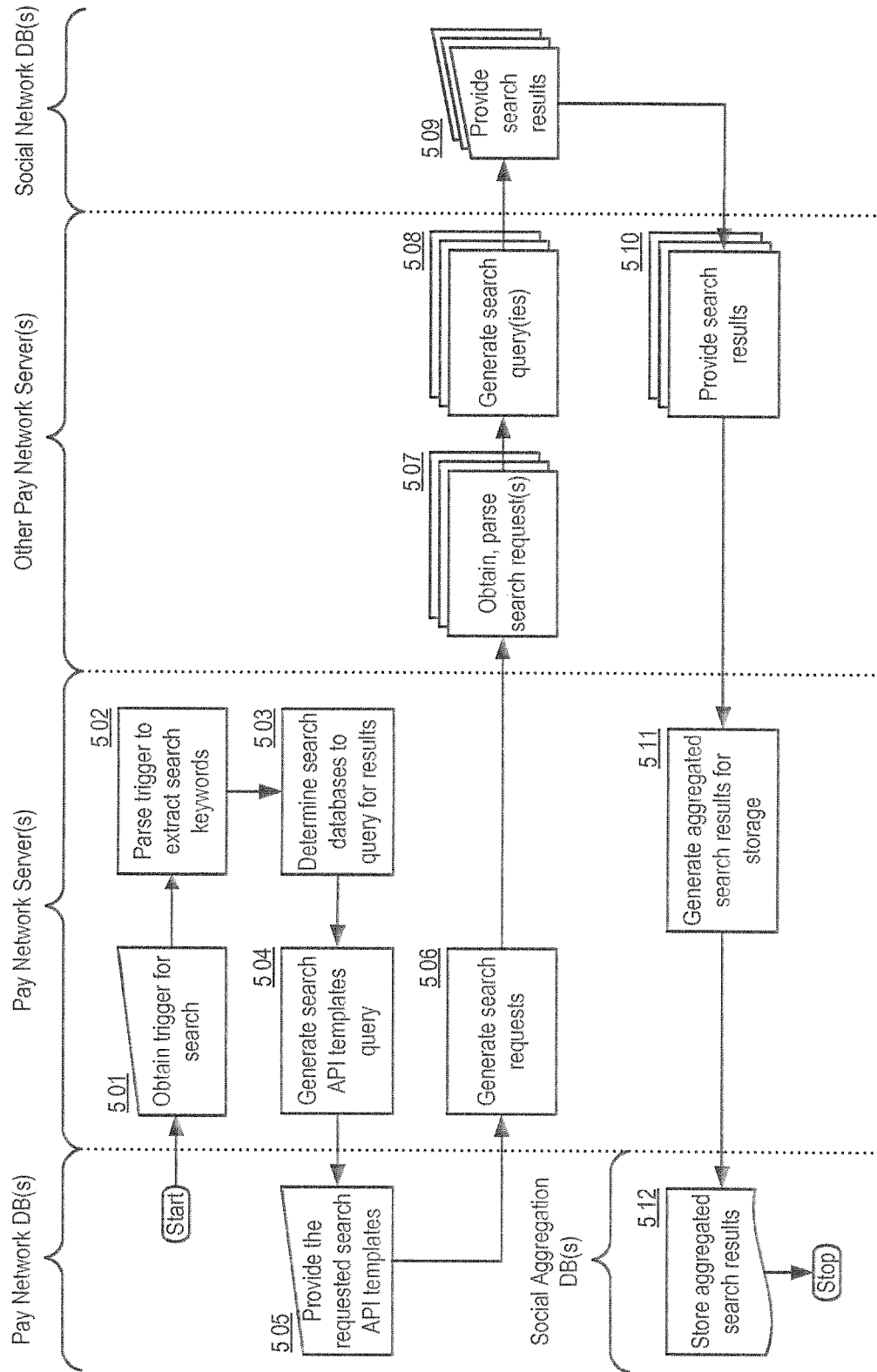
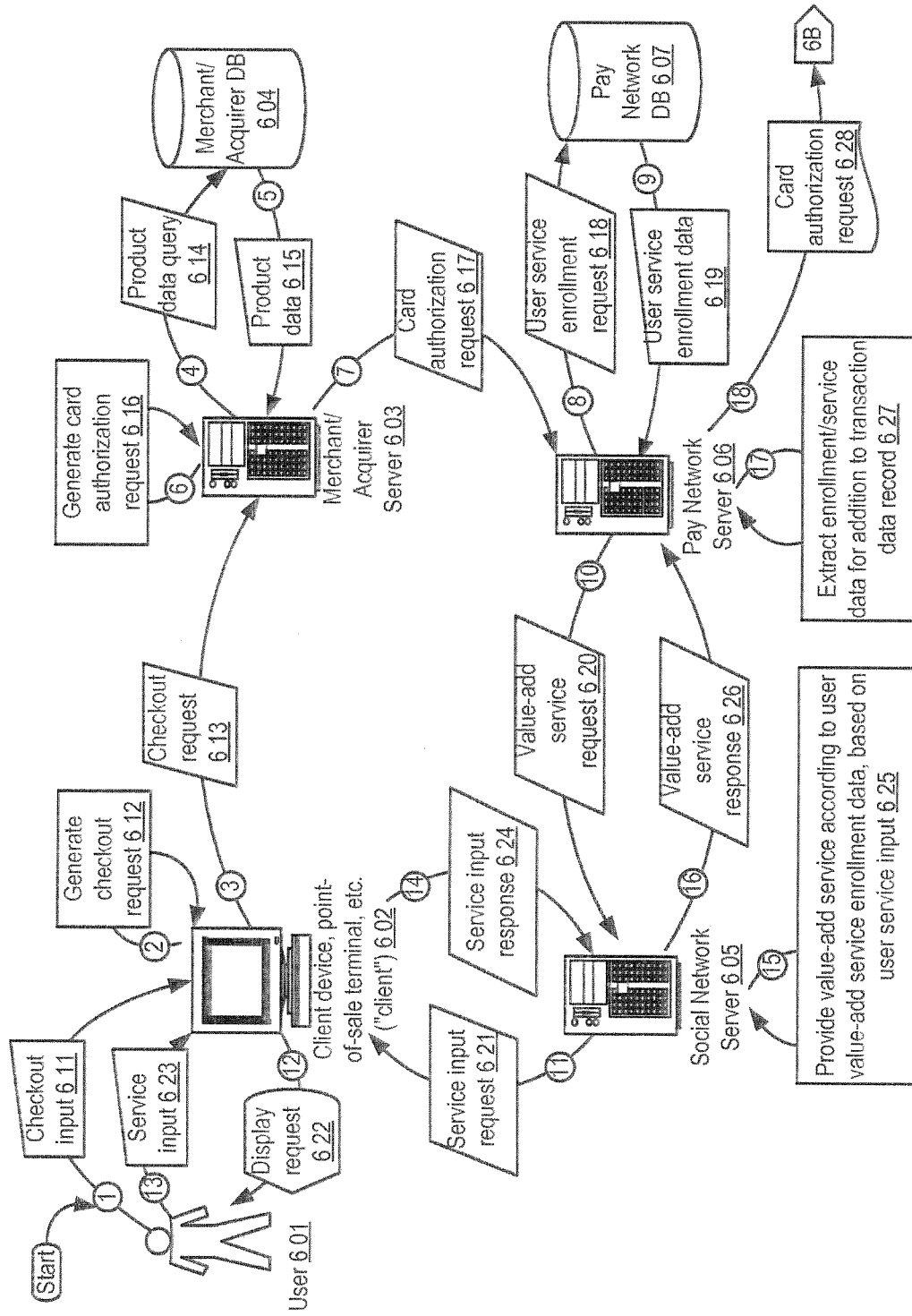


FIGURE 5 Example: Search Results Aggregation ("SRA") component 500



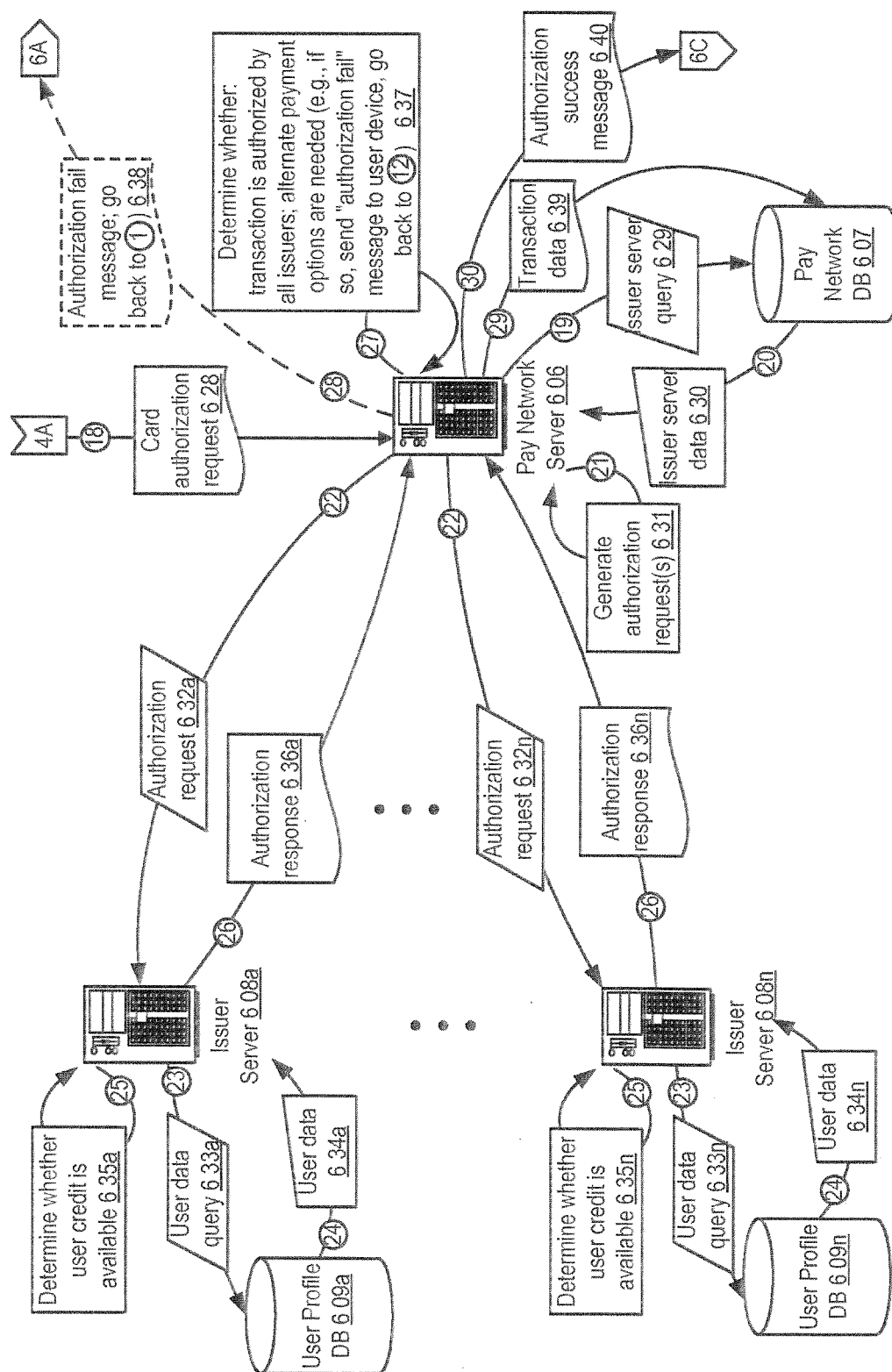
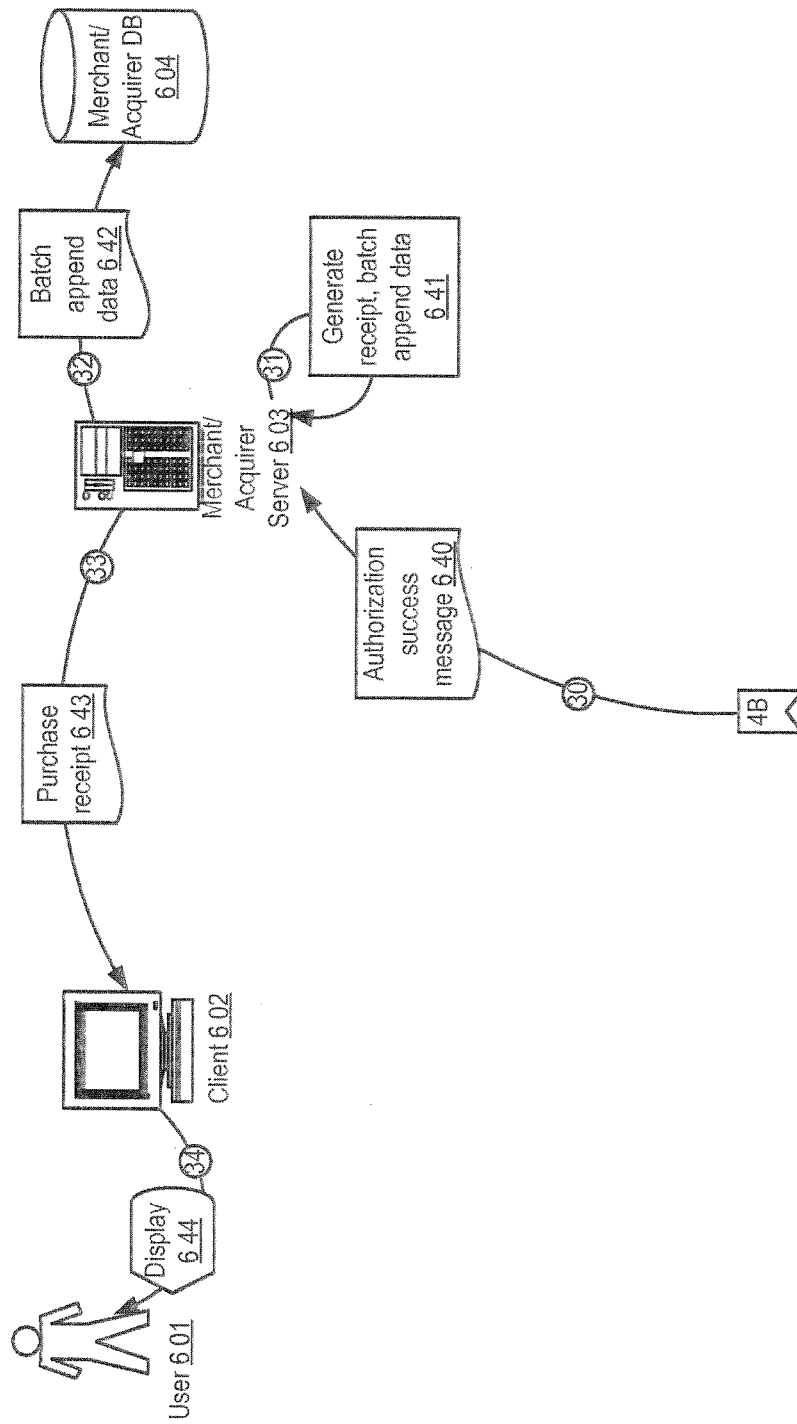


FIGURE 6B

Example: Card-Based Transaction Execution

FIGURE 6C
Example: Card-Based Transaction Execution

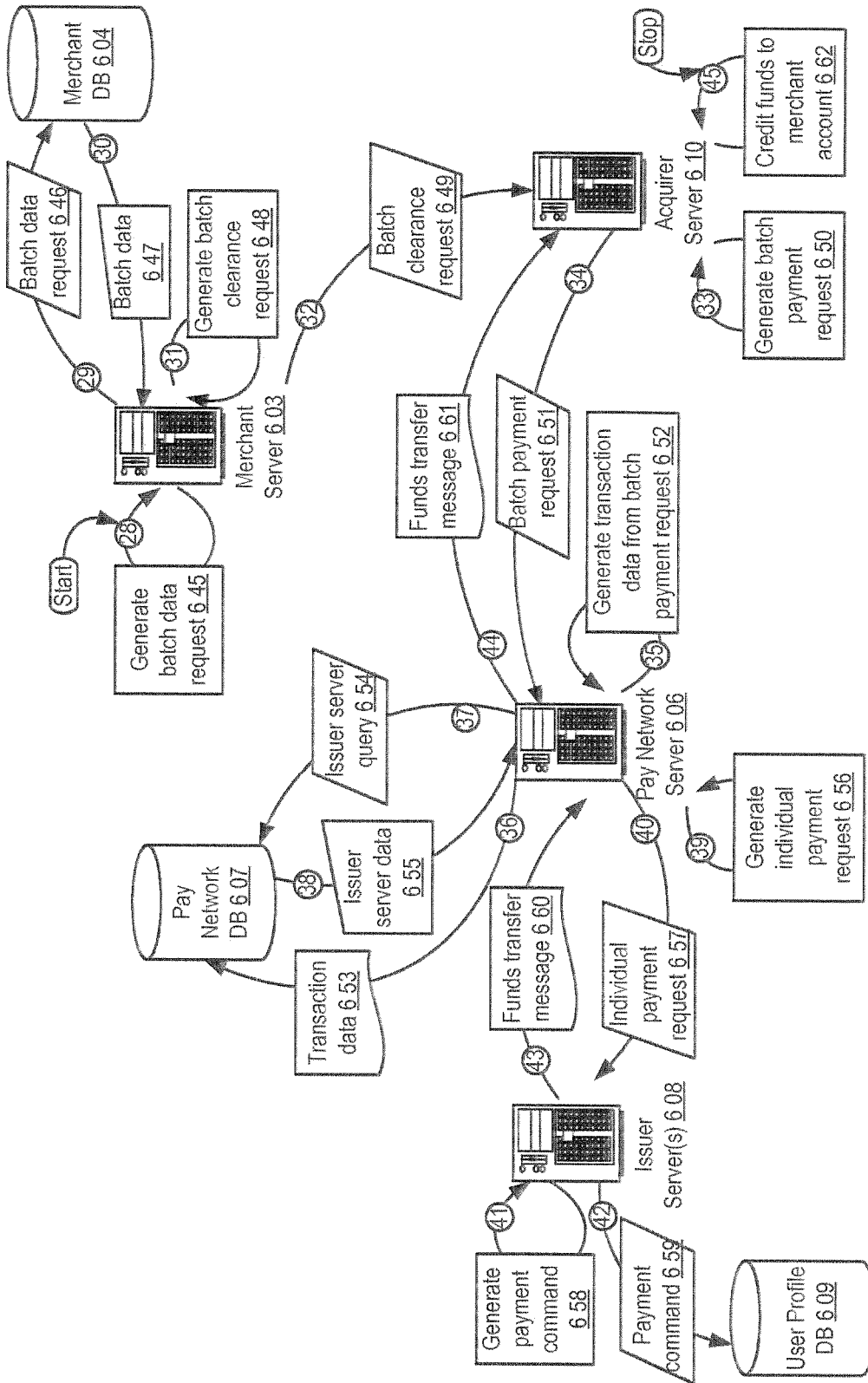


FIGURE 6D

Example: Card-Based Transaction Execution

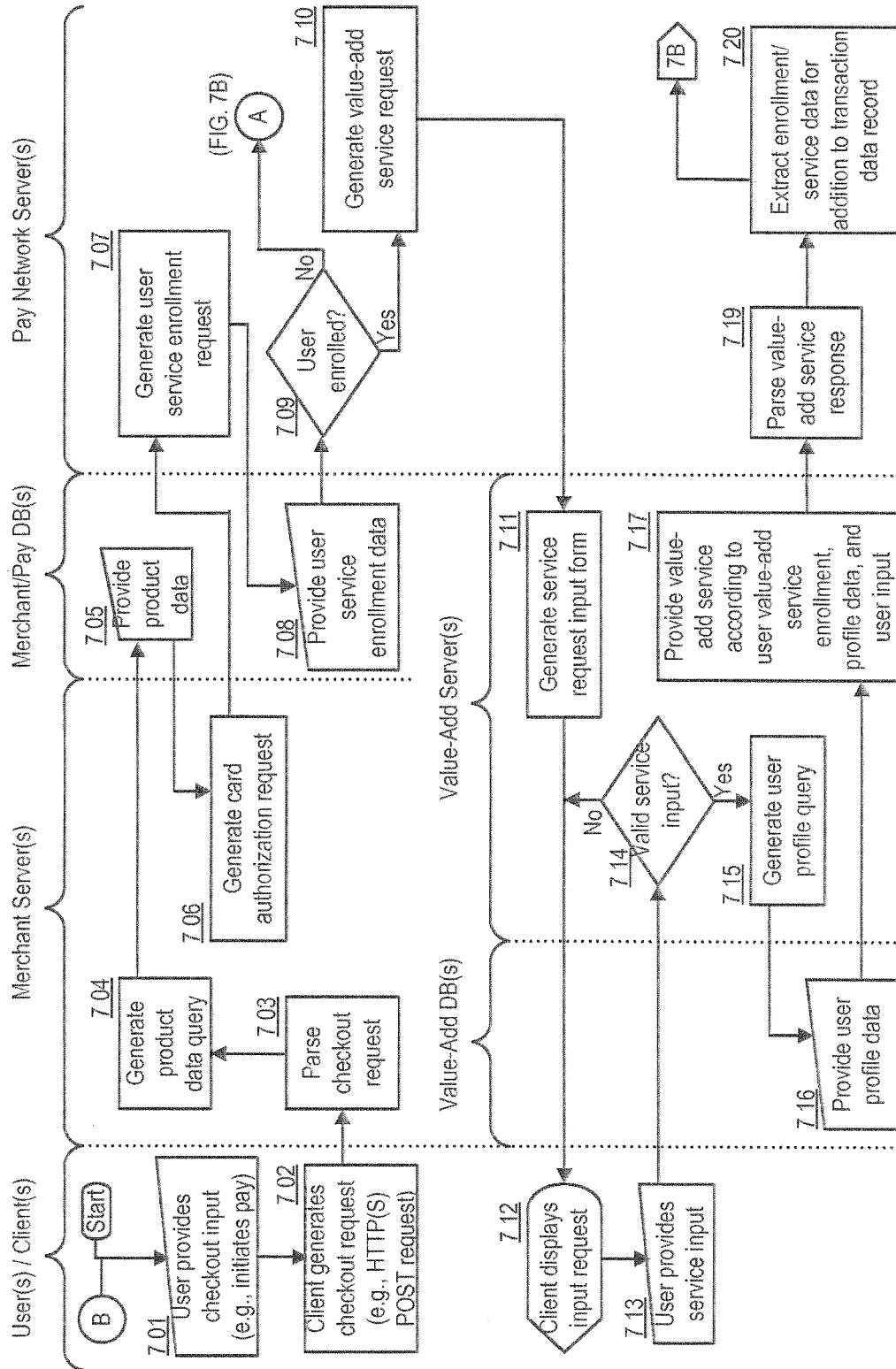
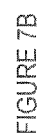


FIGURE 7A Example: Card-Based Transaction Execution ("CTE") component 700



Example: Card-Based Transaction Execution ("CTE") component 700

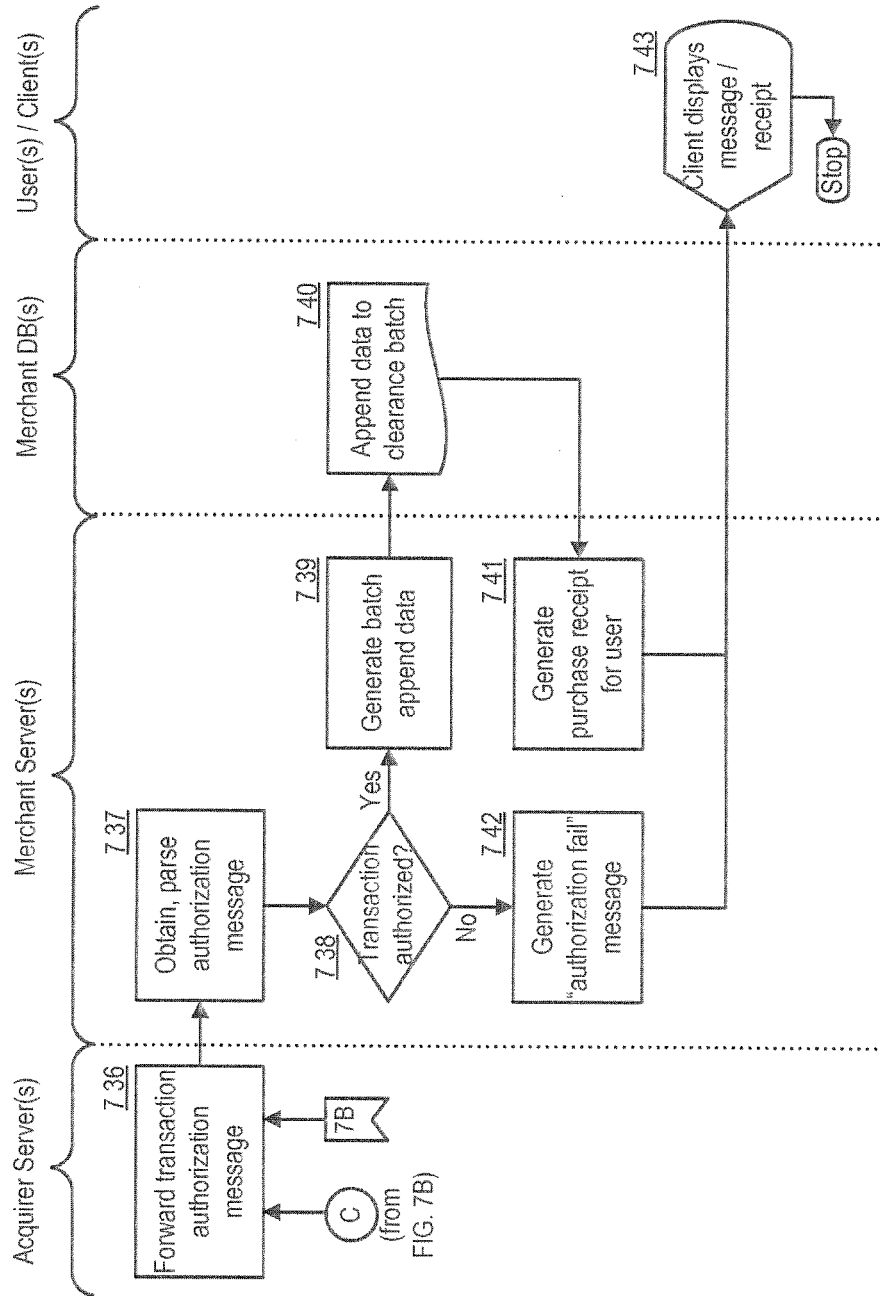


FIGURE 7C

Example: Card-Based Transaction Execution ("CTE") component 700

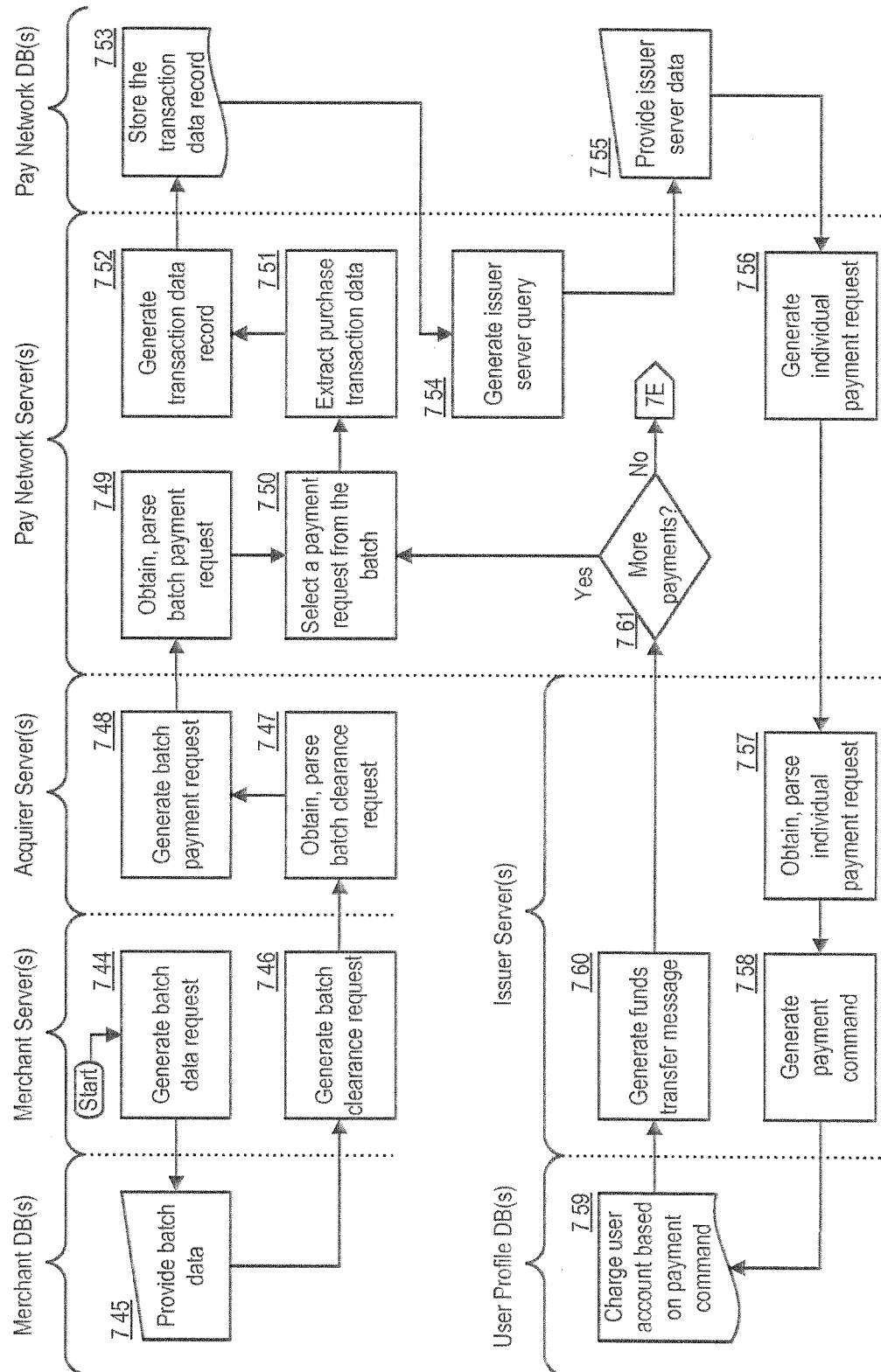
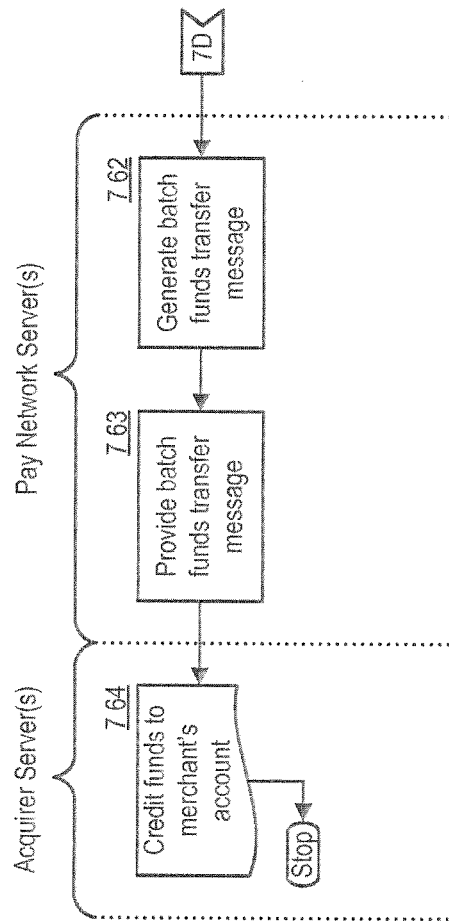
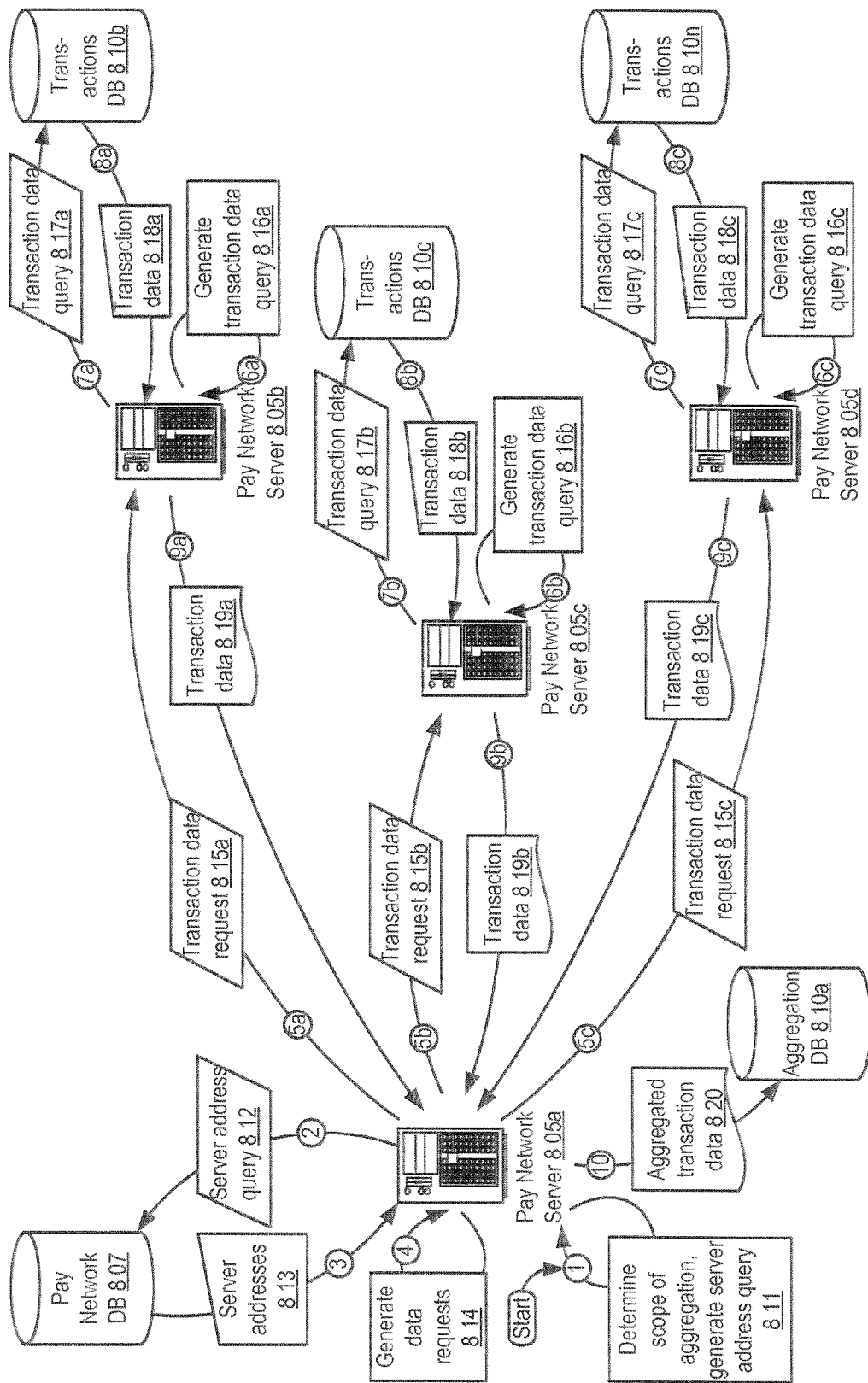


FIGURE 7D Example: Card-Based Transaction Execution ("CTE") component 700



Example: Card-Based Transaction Execution ("CTE") component 700

FIGURE 7E



Example: Transaction Data Aggregation

FIGURE 8

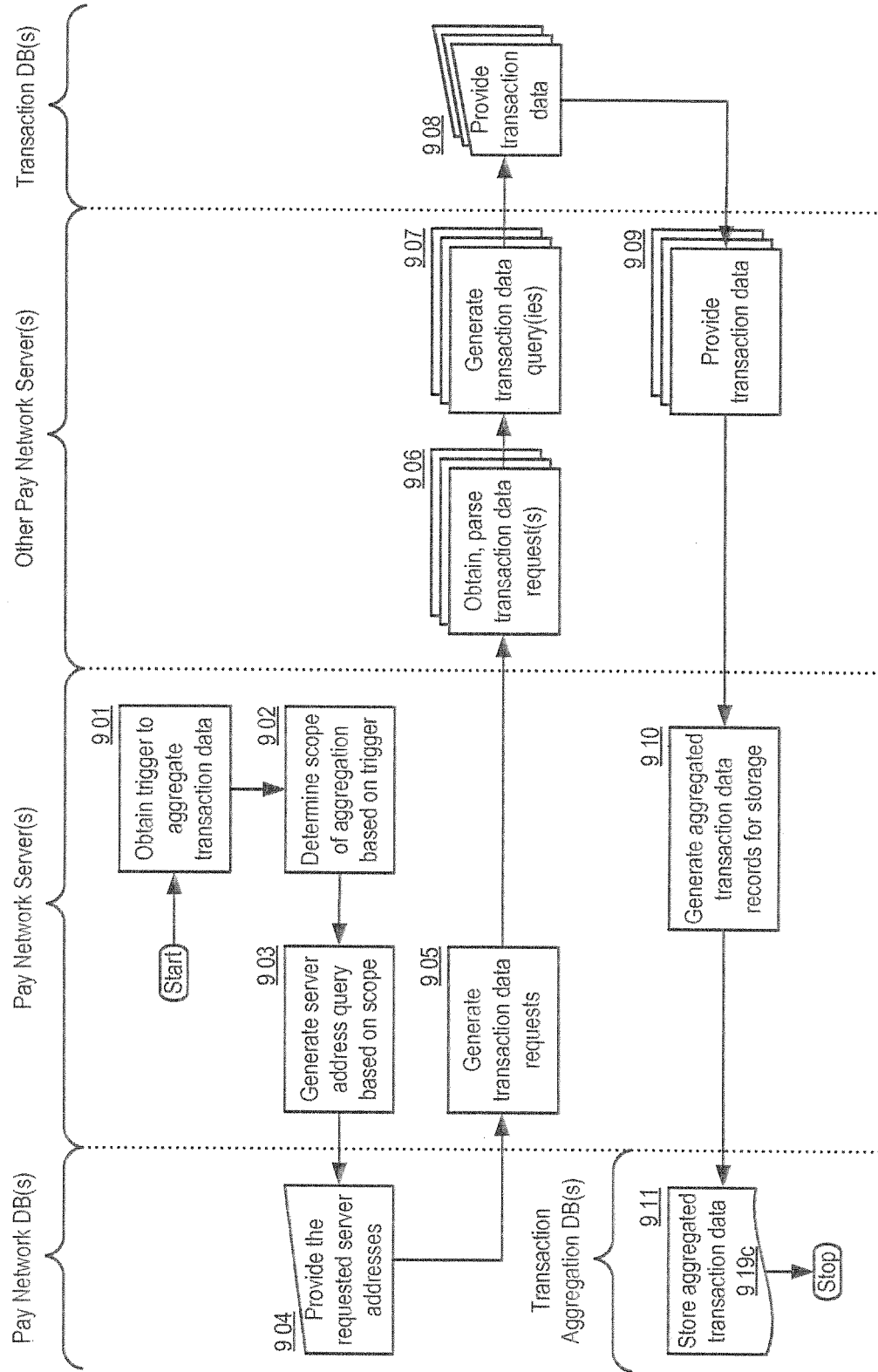
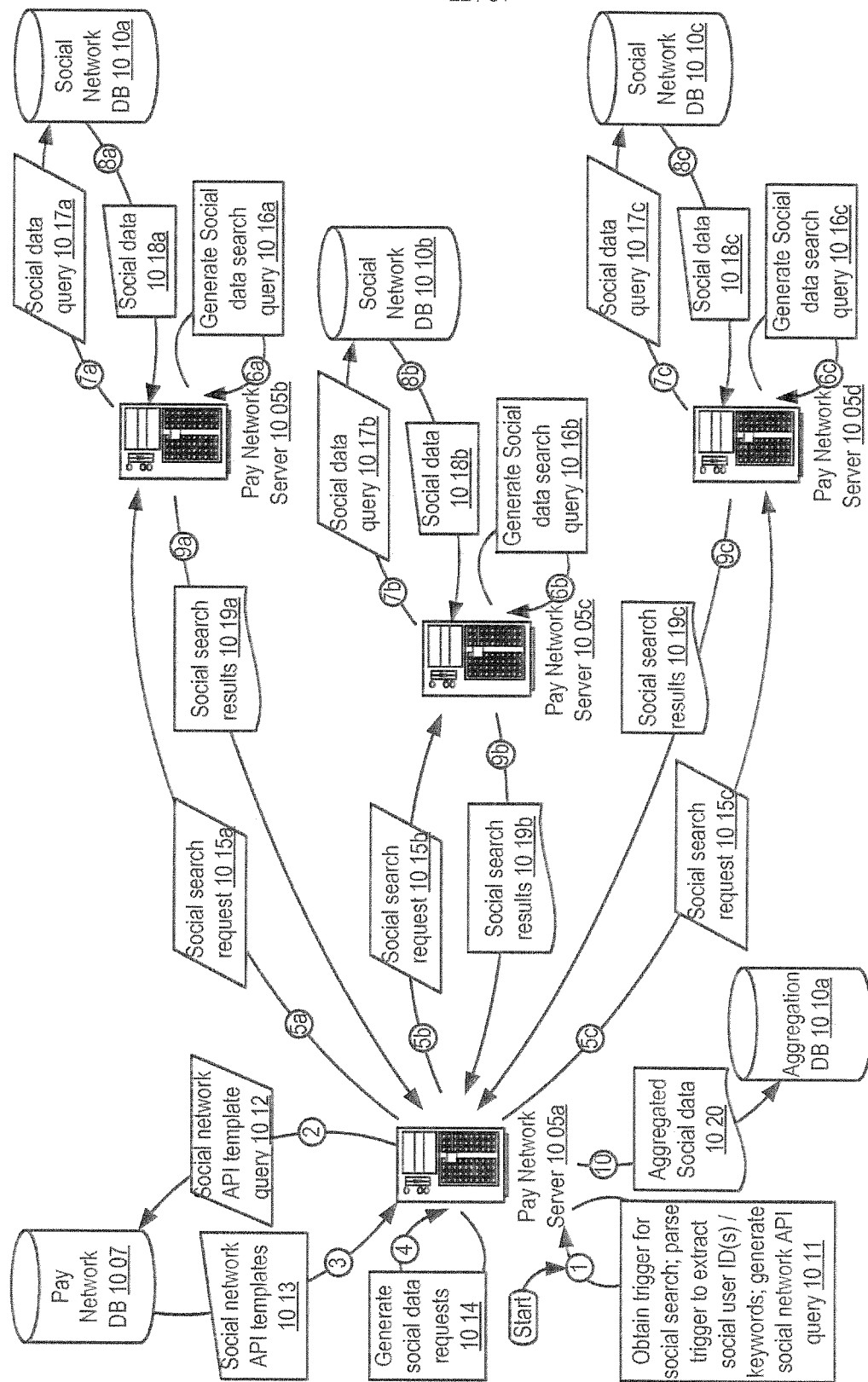


FIGURE 9 Example: Transaction Data Aggregation (TDA) component 600



Example: Social Data Aggregation

FIGURE 10

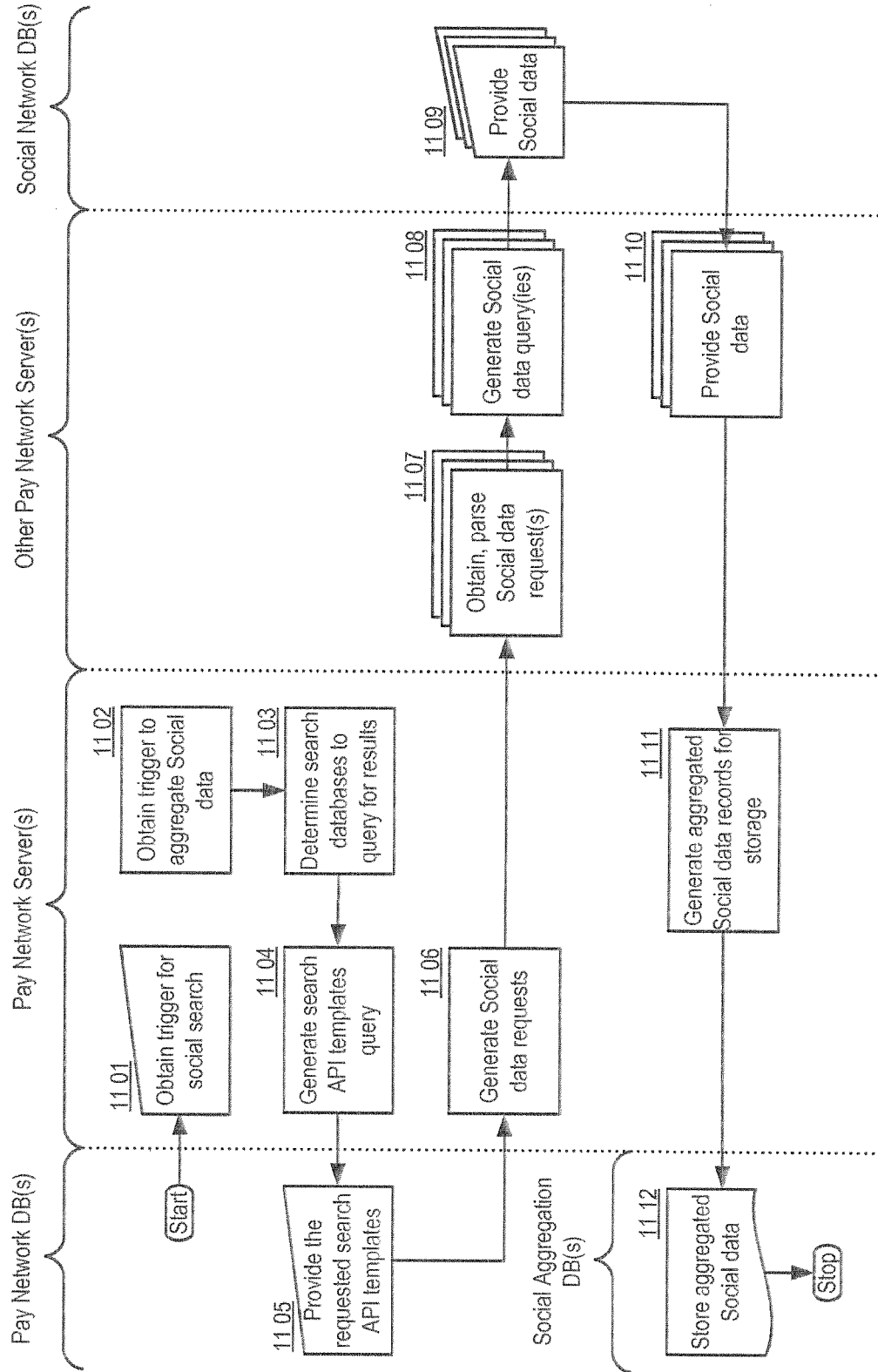


FIGURE 11 Example: Social Data Aggregation ("SDA") component 1100

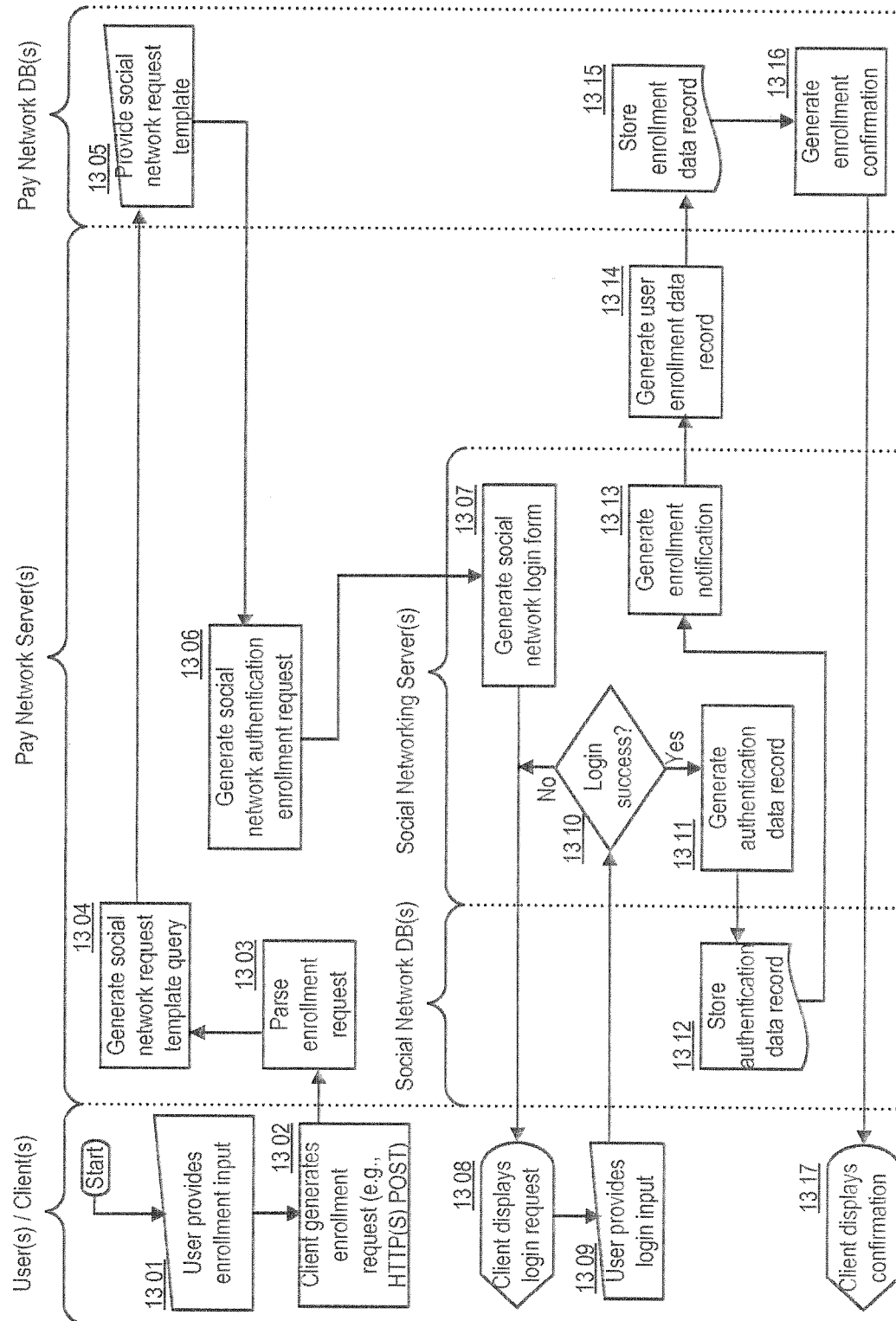


FIGURE 13 Example: Value-Add Service Enrollment ("VASE") component 1300

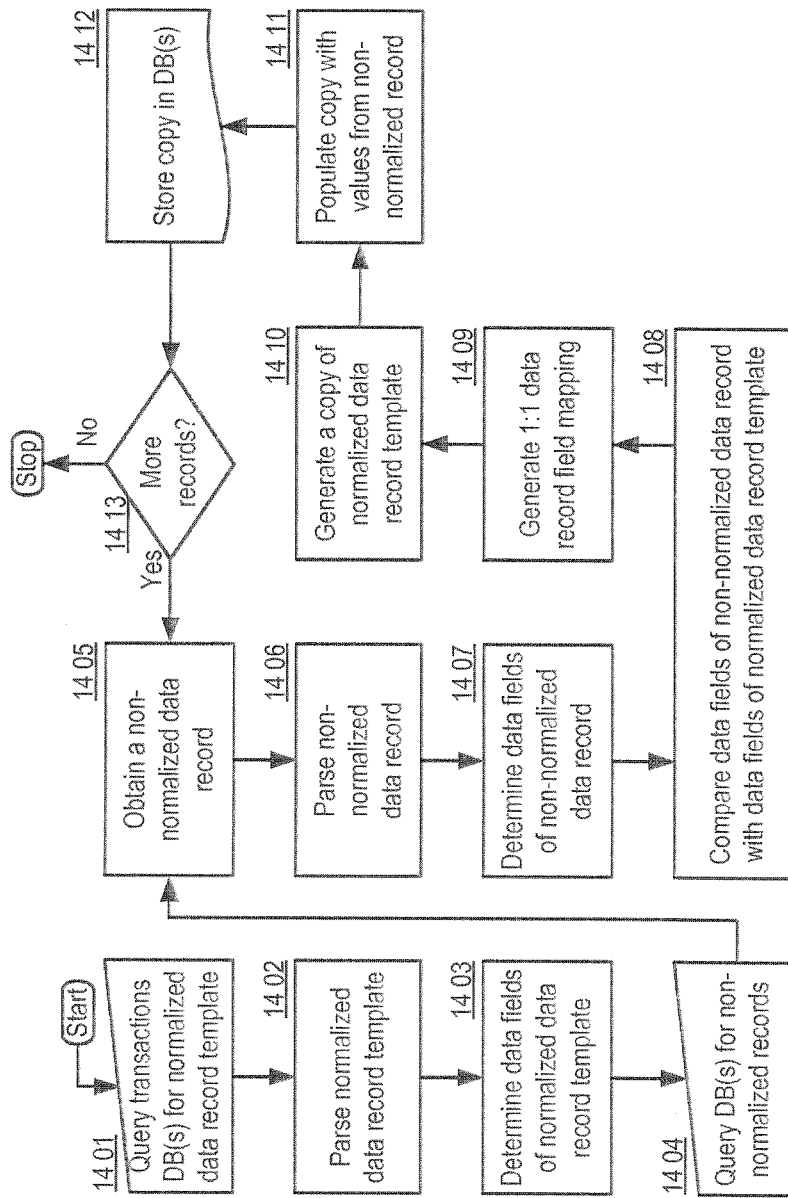


FIGURE 14A

Example: Aggregated Data Record Normalization ("ADRN") component 1400

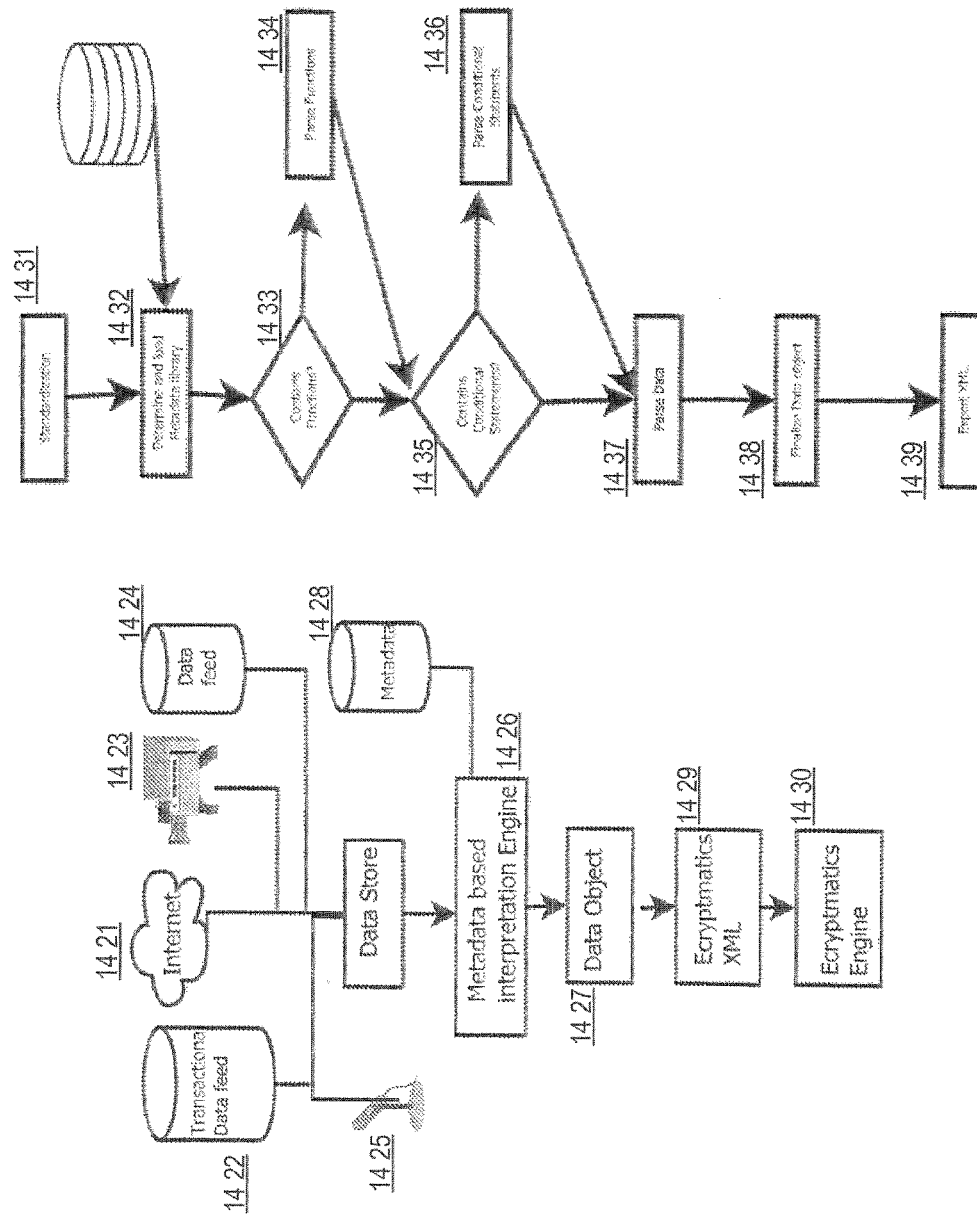


FIGURE 14B

Example: Data Record Normalization ("ADRN") component 1400

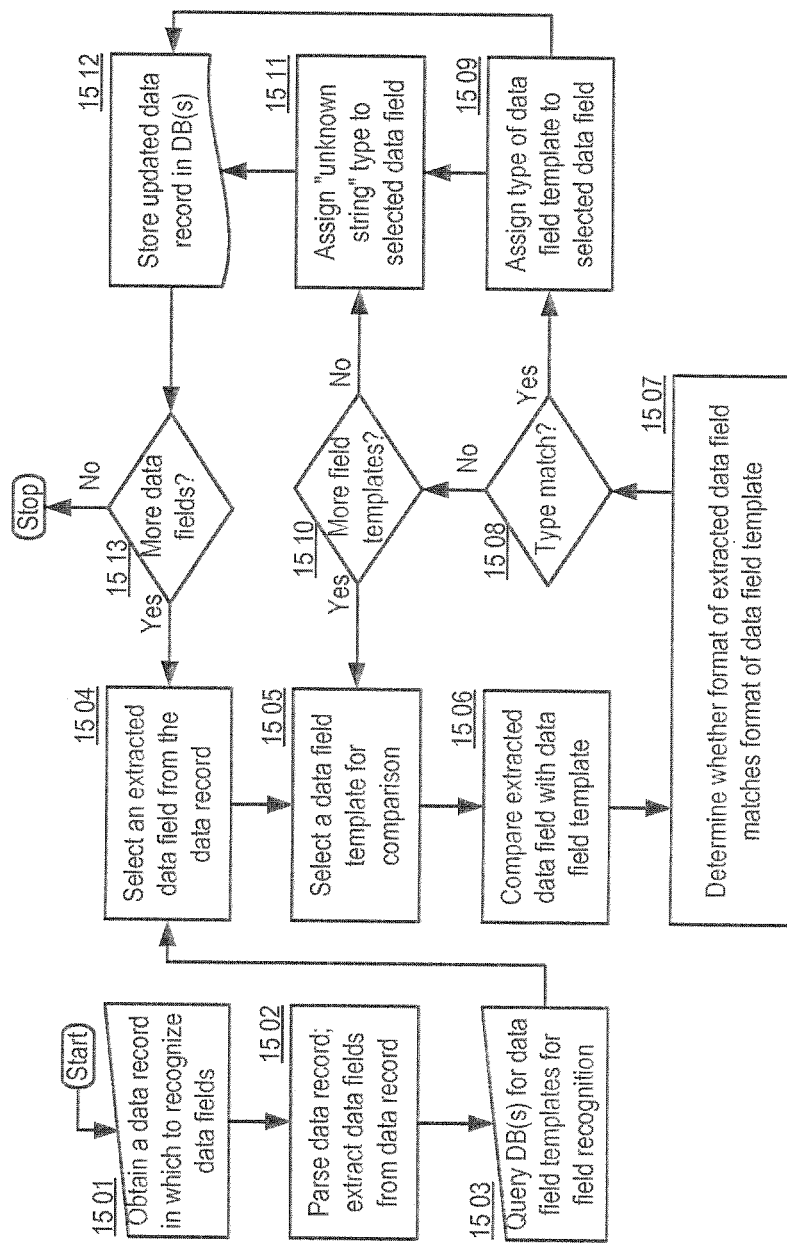


FIGURE 15

Example: Data Field Recognition ("DFR") component 1500

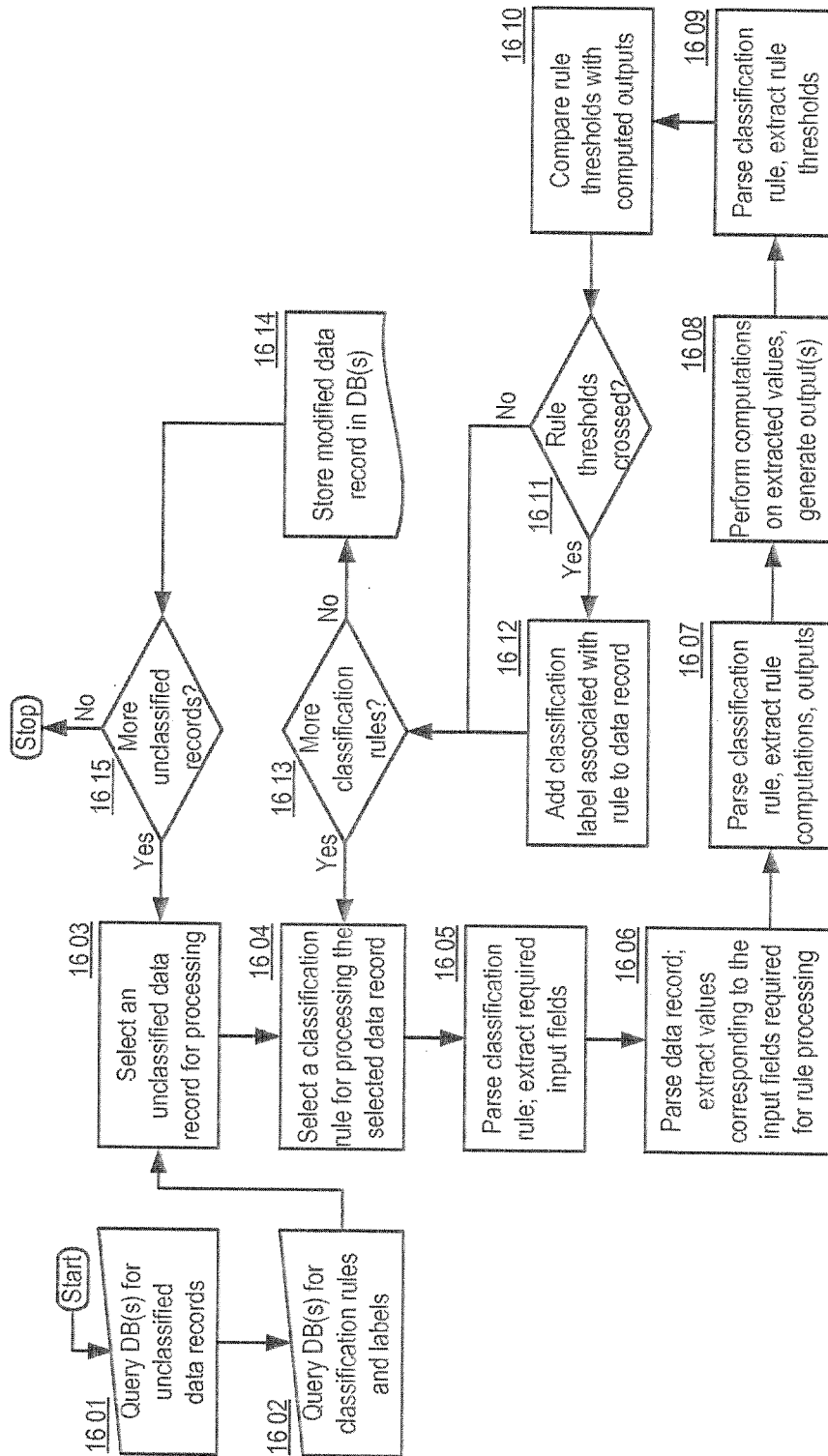


FIGURE 16

Example: Entity Type Classification ("ETC") component 1600

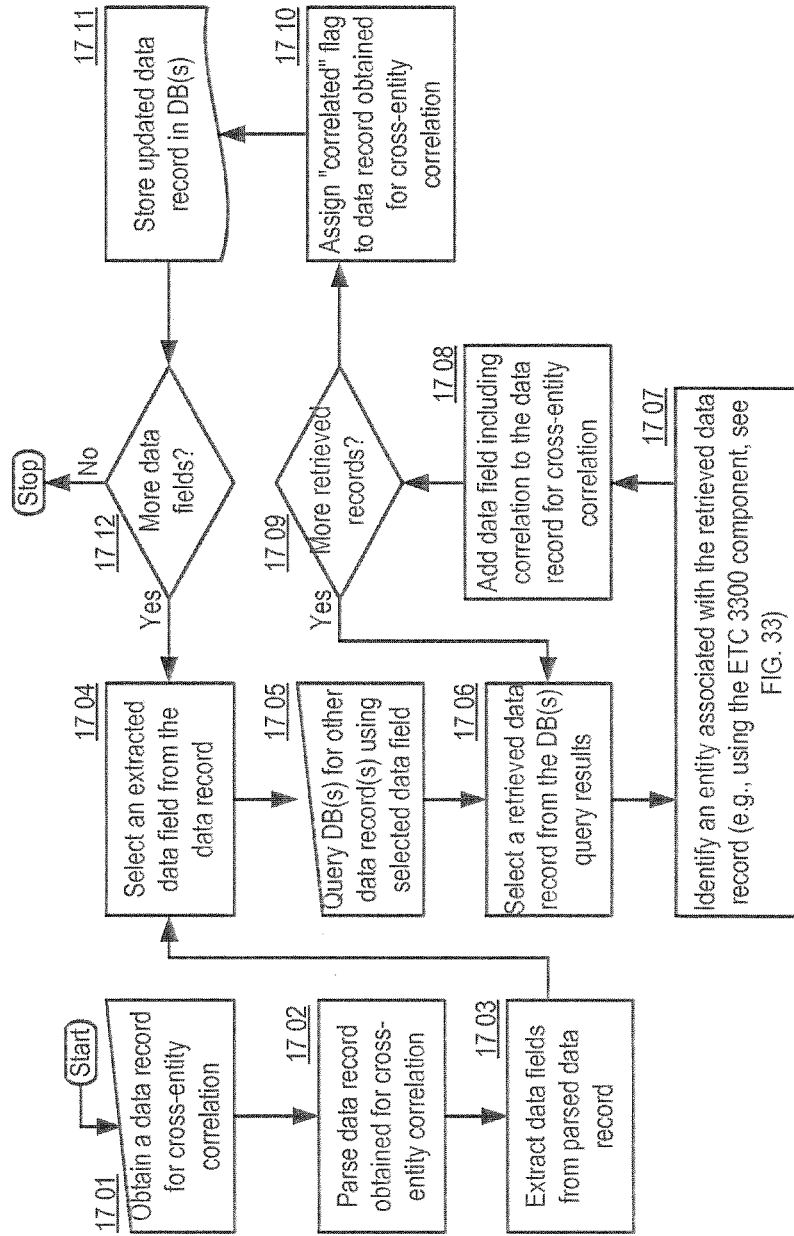


FIGURE 17

Example: Cross-Entity Correlation ("CEC") component 1700

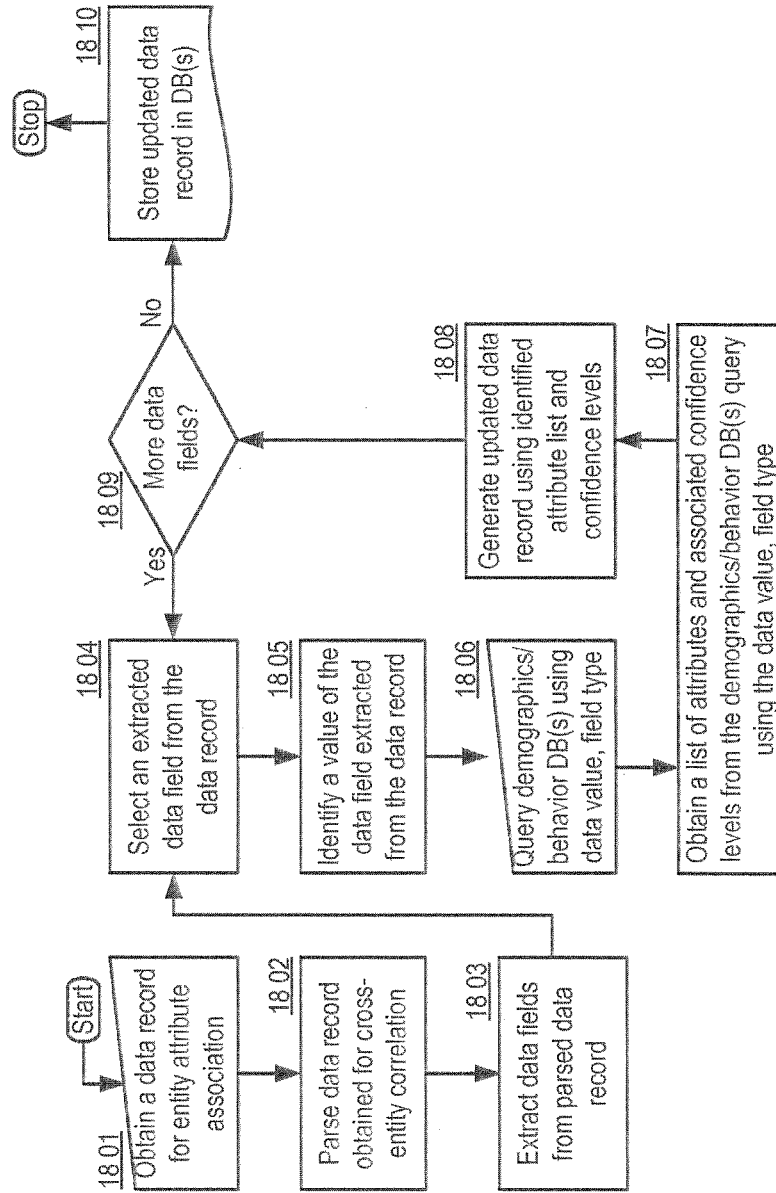


FIGURE 18

Example: Entity Attribute Association ("EAA") component 1800

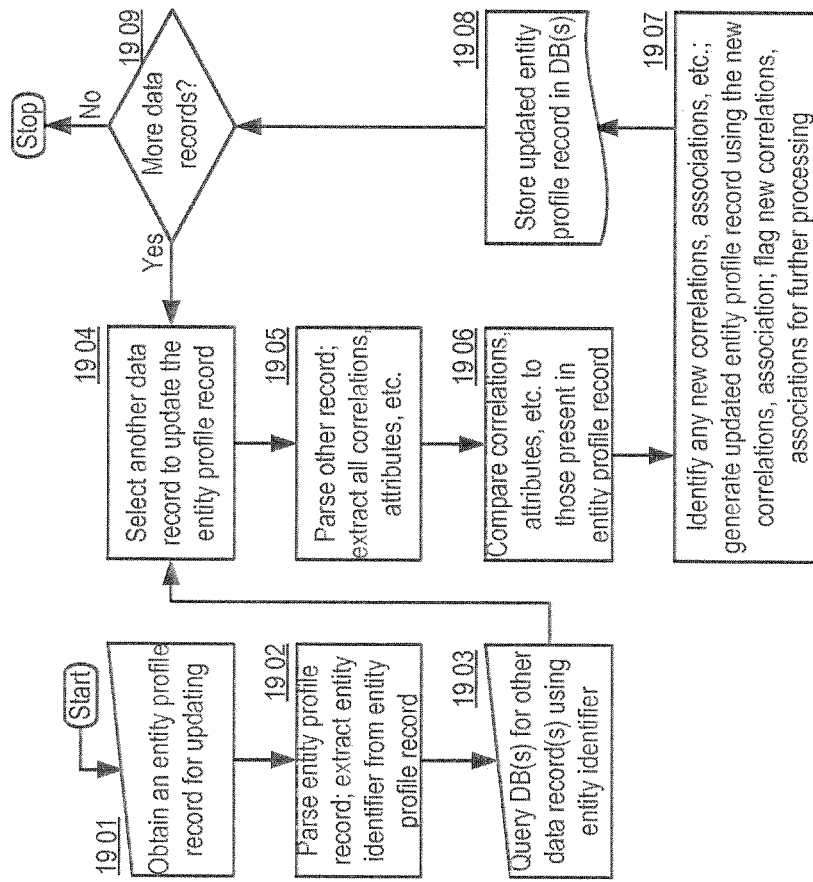


FIGURE 19

Example: Entity Profile-Graph Updating ("EPGU") component 1900

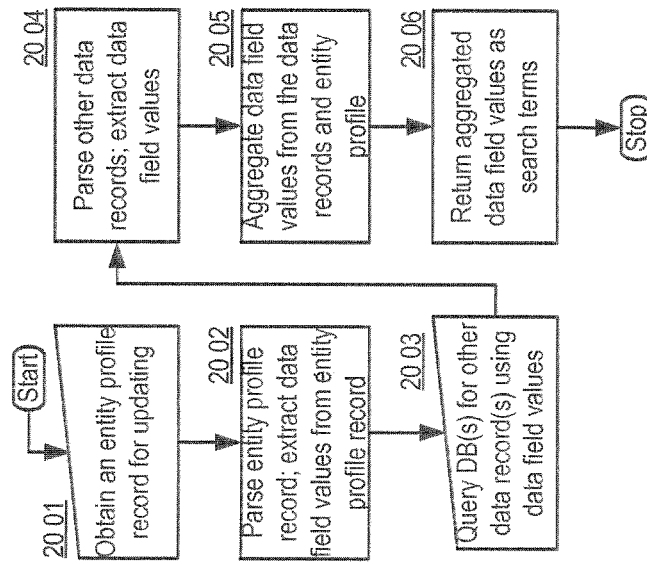


FIGURE 20

Example: Search Term Generation ("STG") component 2000

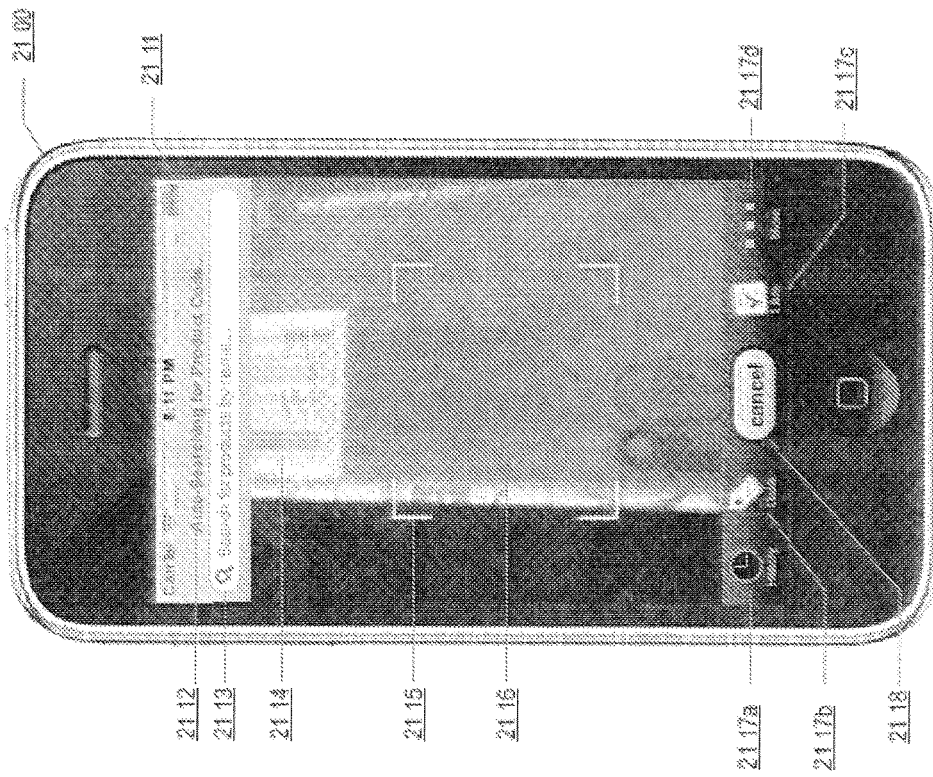


FIGURE 21A

Example: Electronic Virtual Wallet User Interface

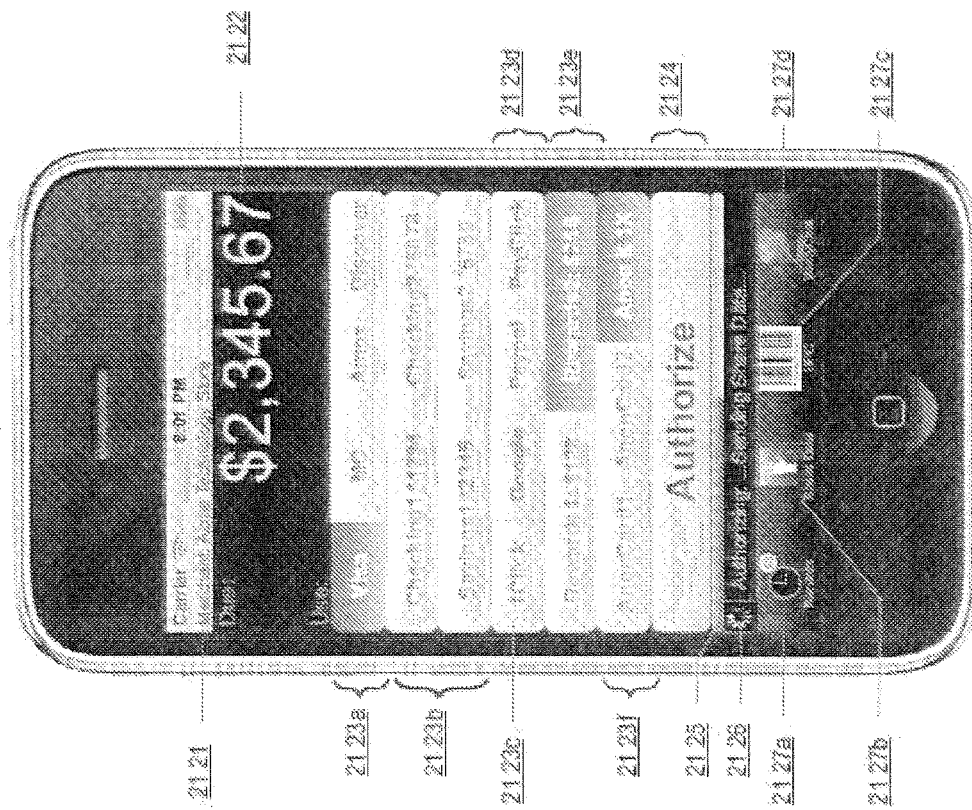


FIGURE 21B

Example: Electronic Virtual Wallet User Interface

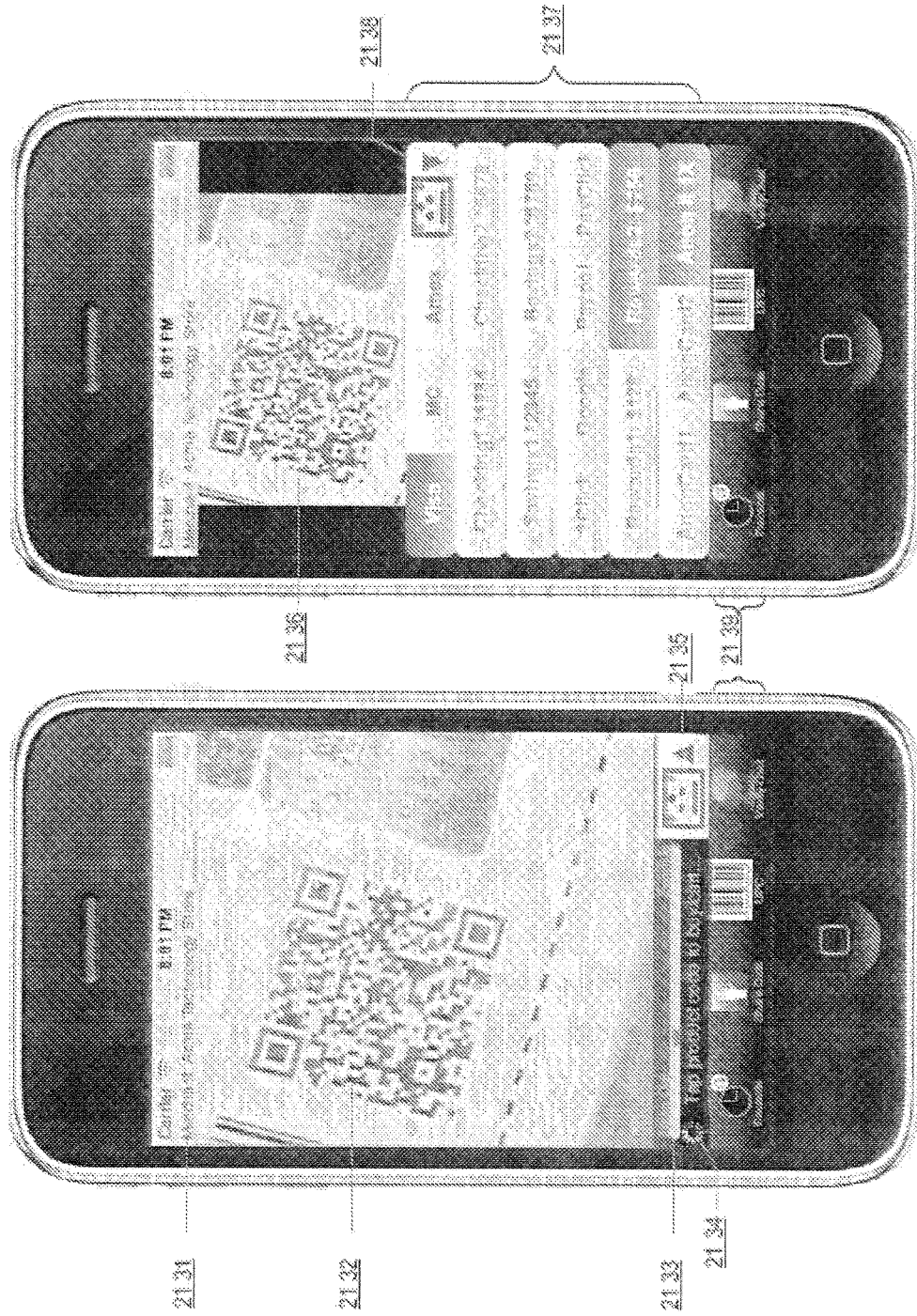


FIGURE 21C

Example: Electronic Virtual Wallet User Interface

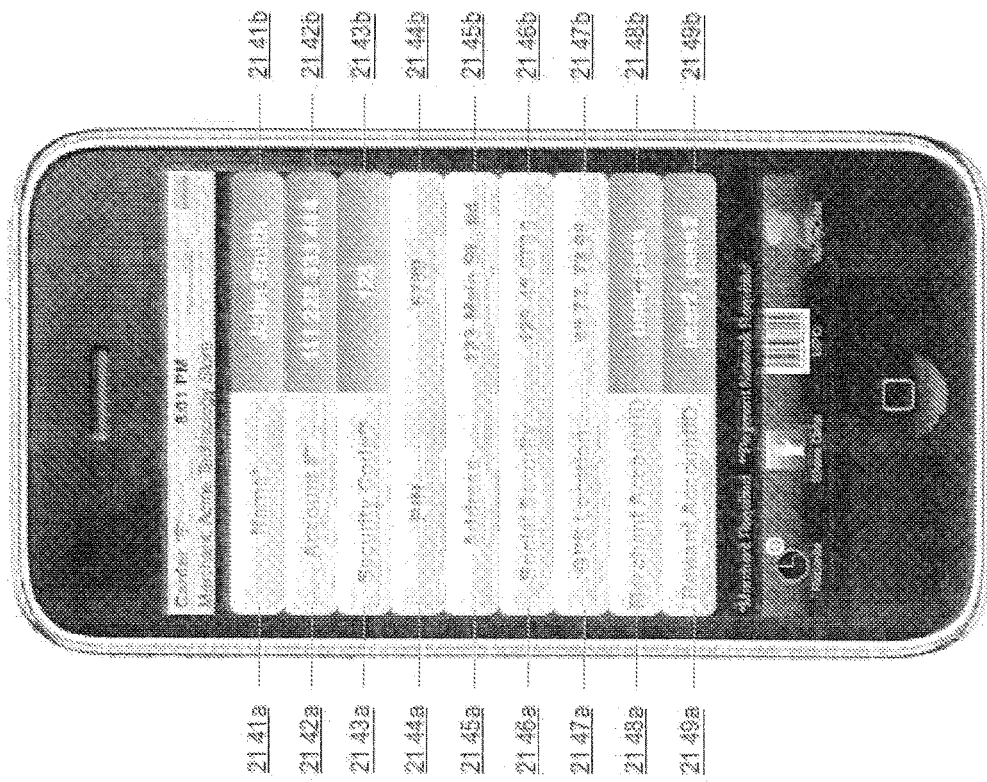


FIGURE 21D

Example: Electronic Virtual Wallet User Interface



FIGURE 21E

Example: Electronic Virtual Wallet User Interface

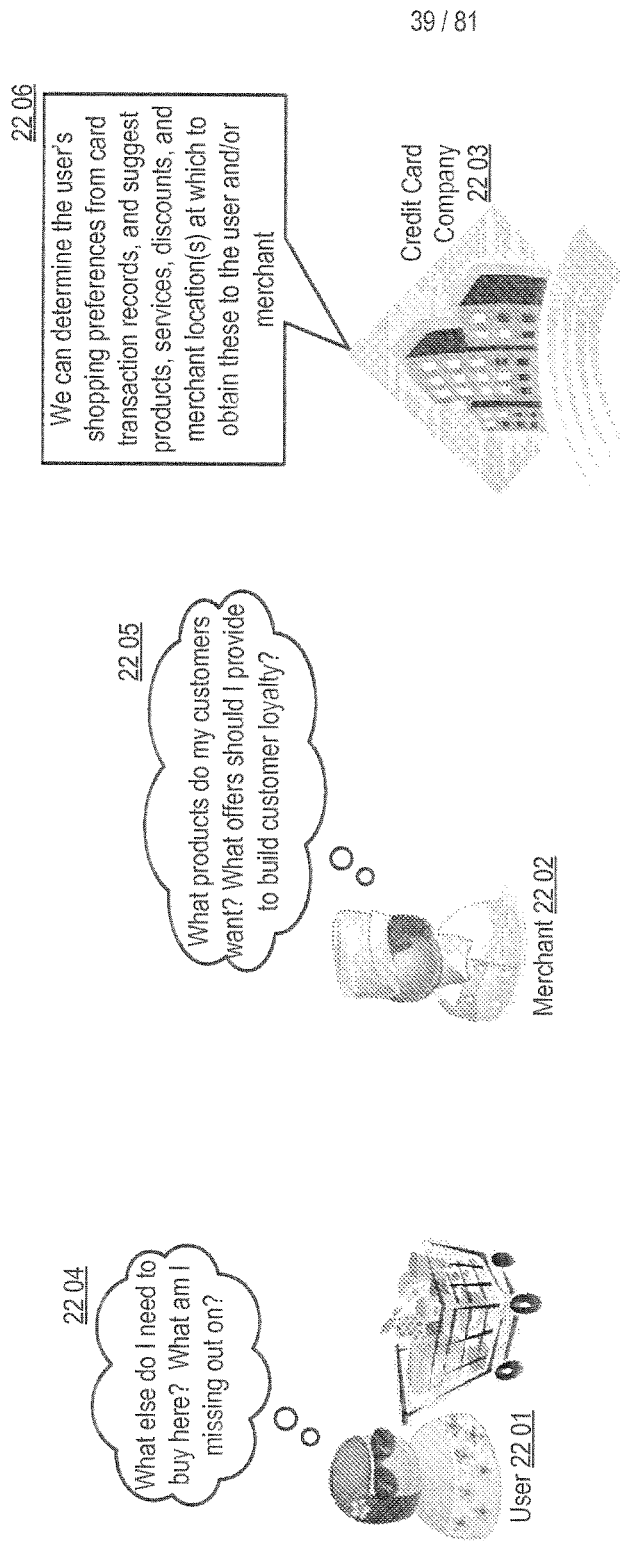


FIGURE 22

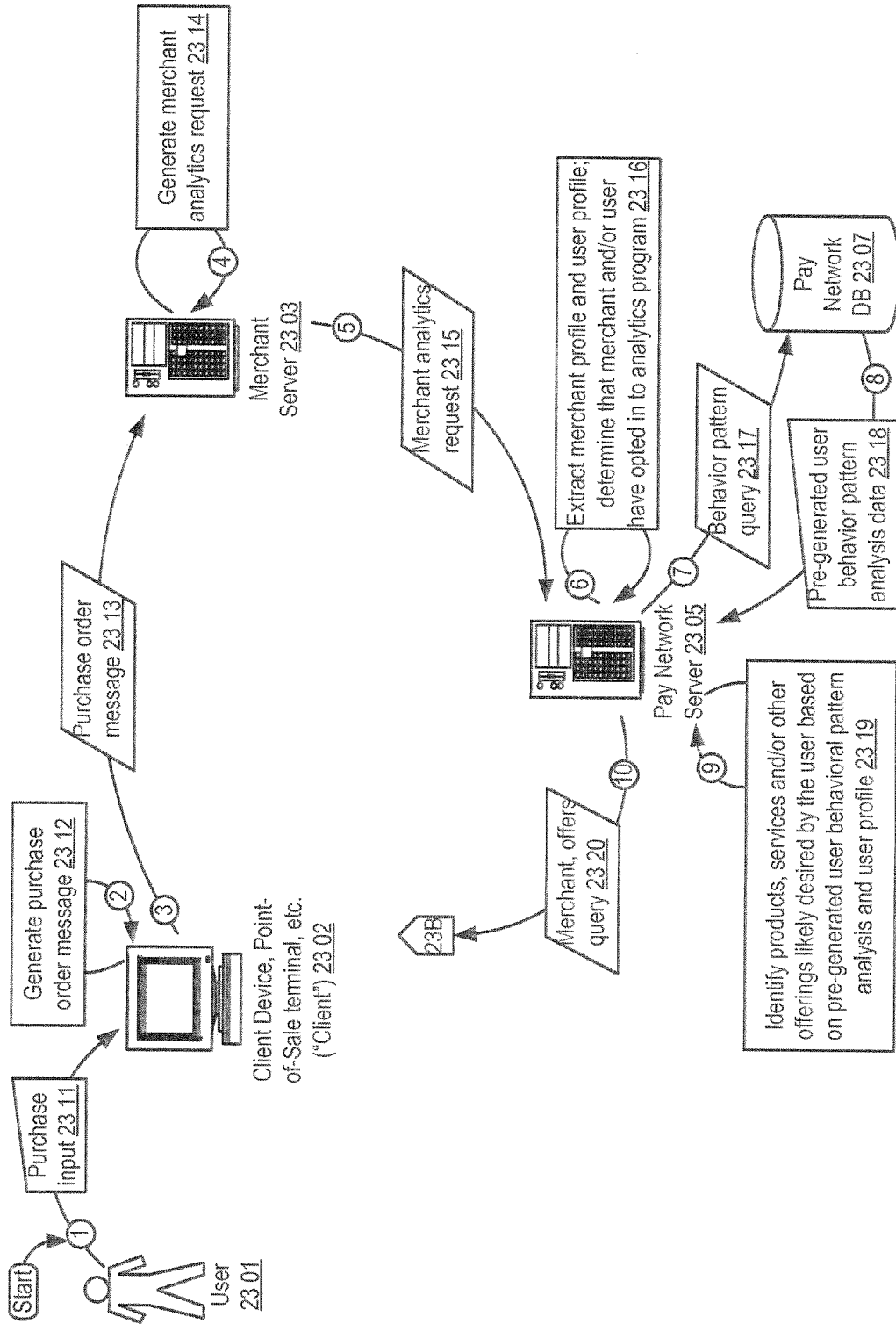


FIGURE 23A

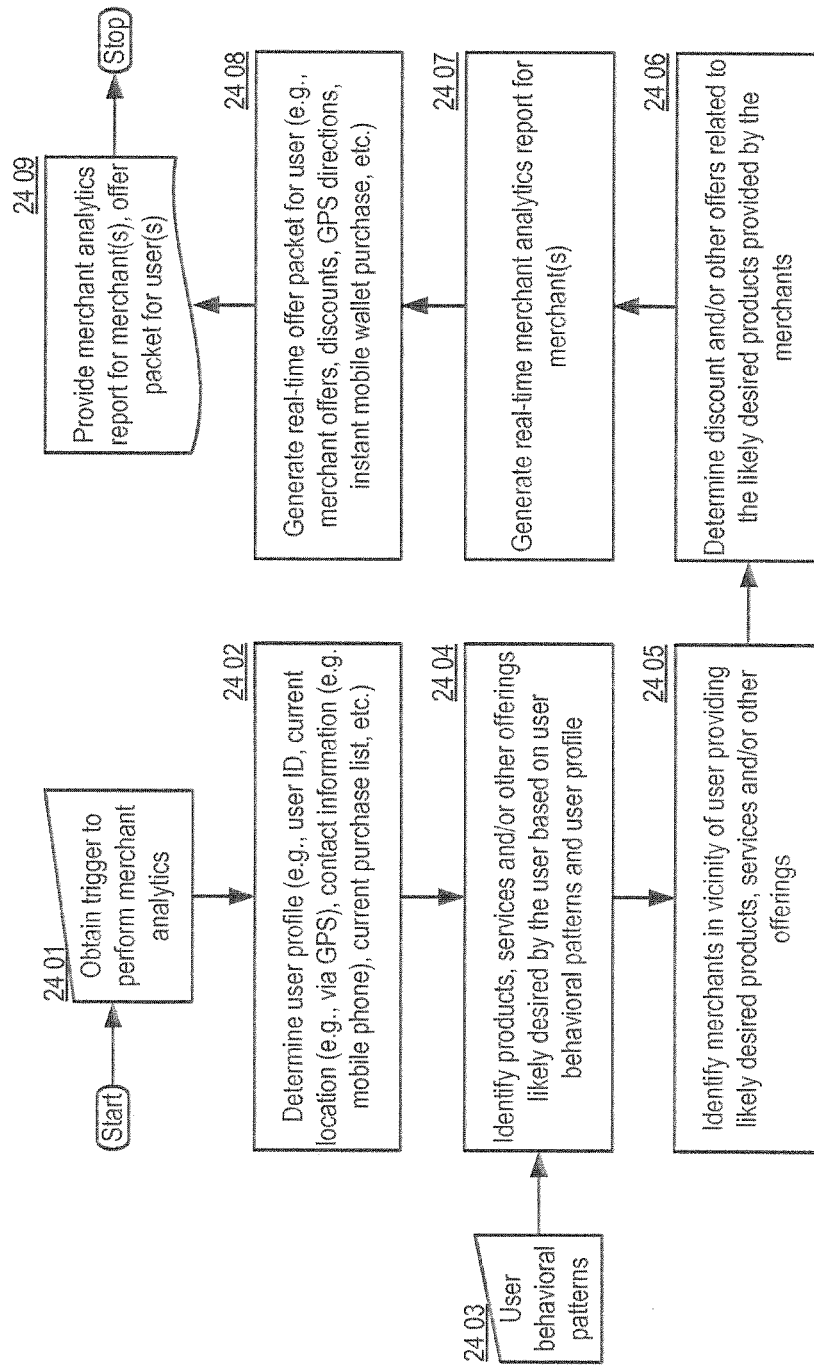


FIGURE 24

Example: Merchant Analytics ("MA") component

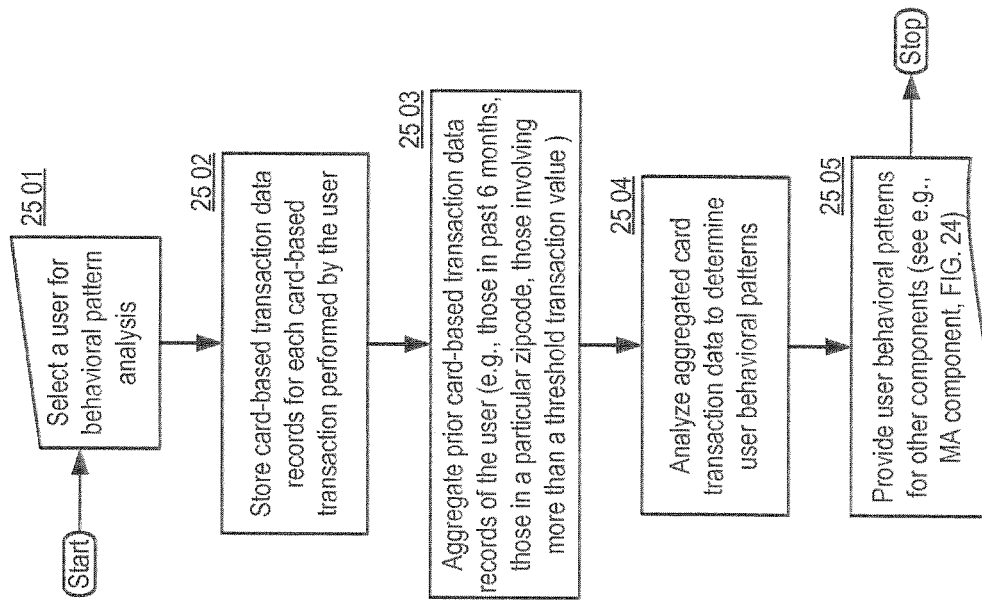


FIGURE 25

Example: User Behavioral Pattern Analytics ("UBPA") component

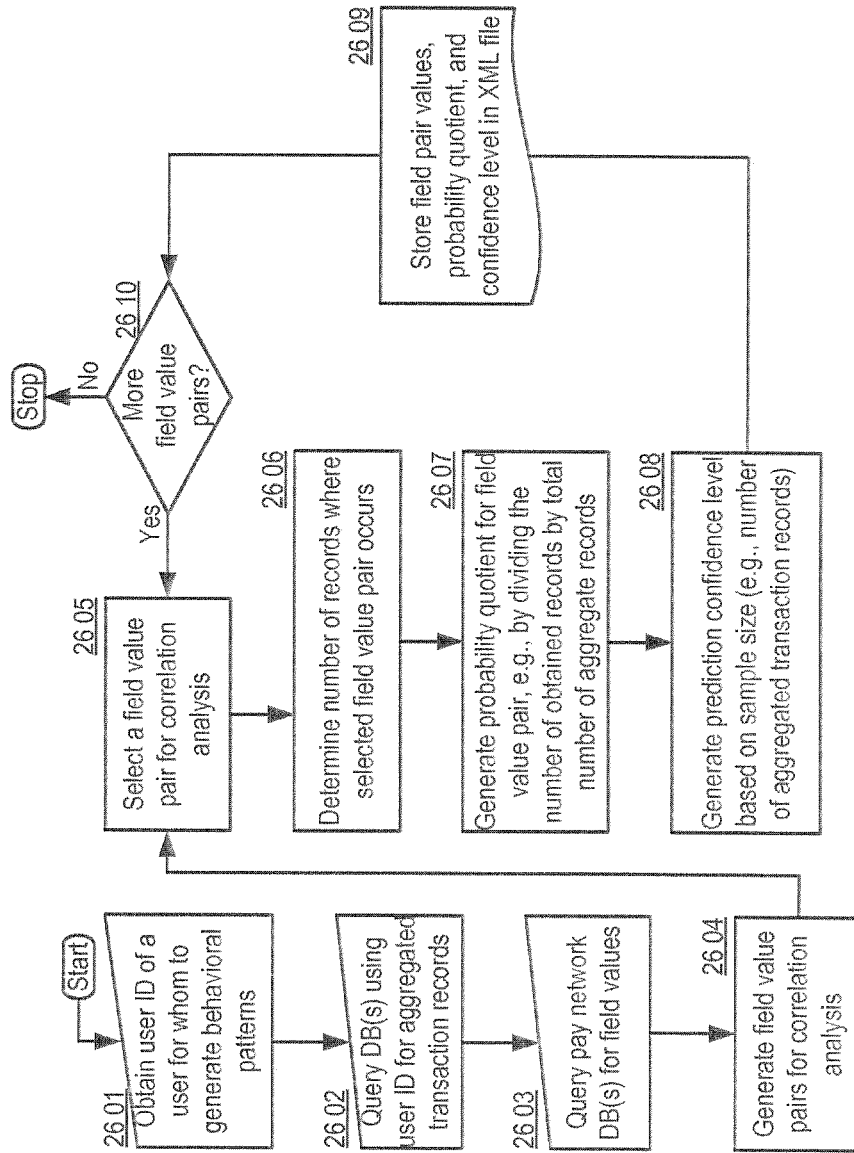


FIGURE 26

Example: User Pattern Identification (UPI) component

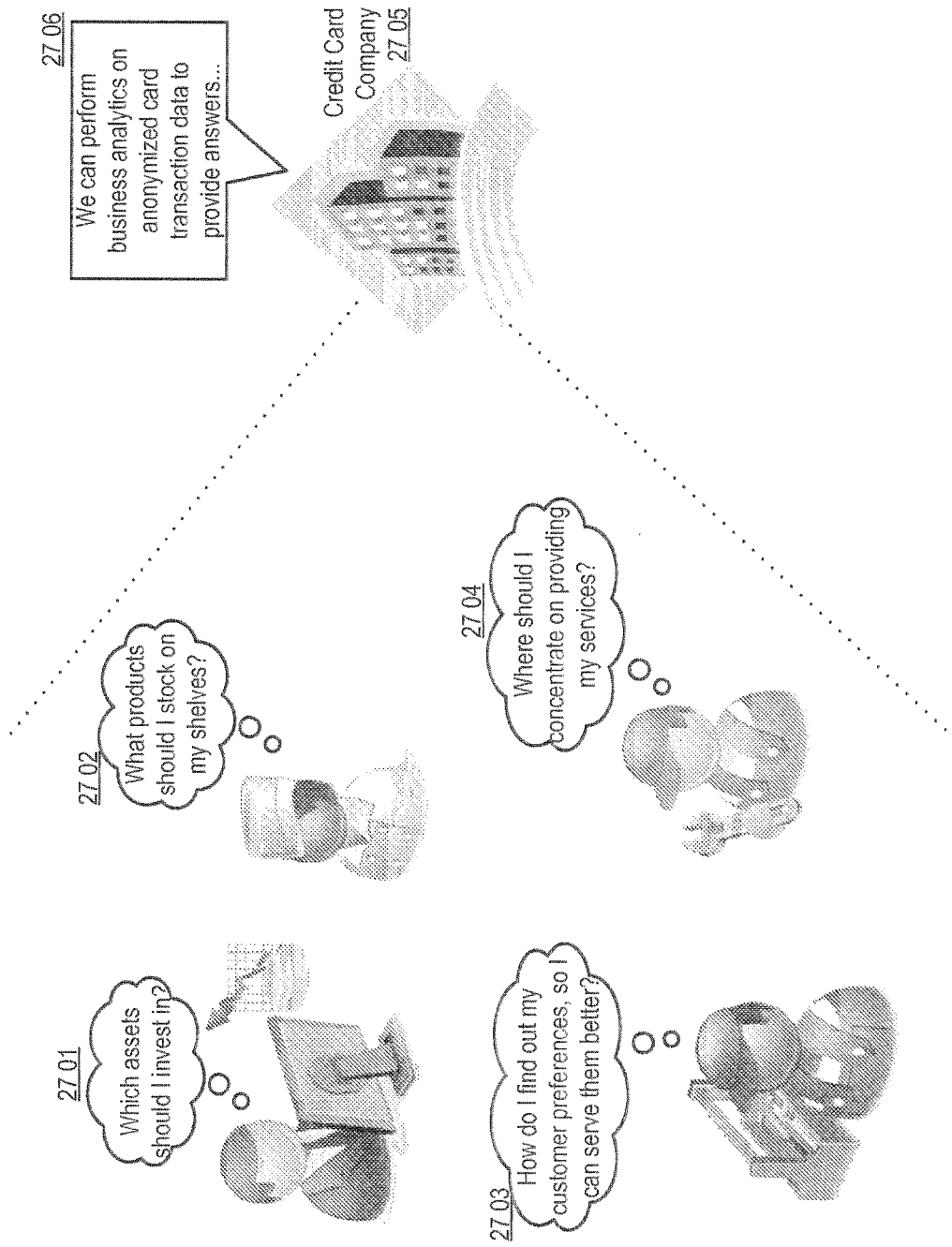


FIGURE 27A

Example: Econometrical Investment Strategy Analysis

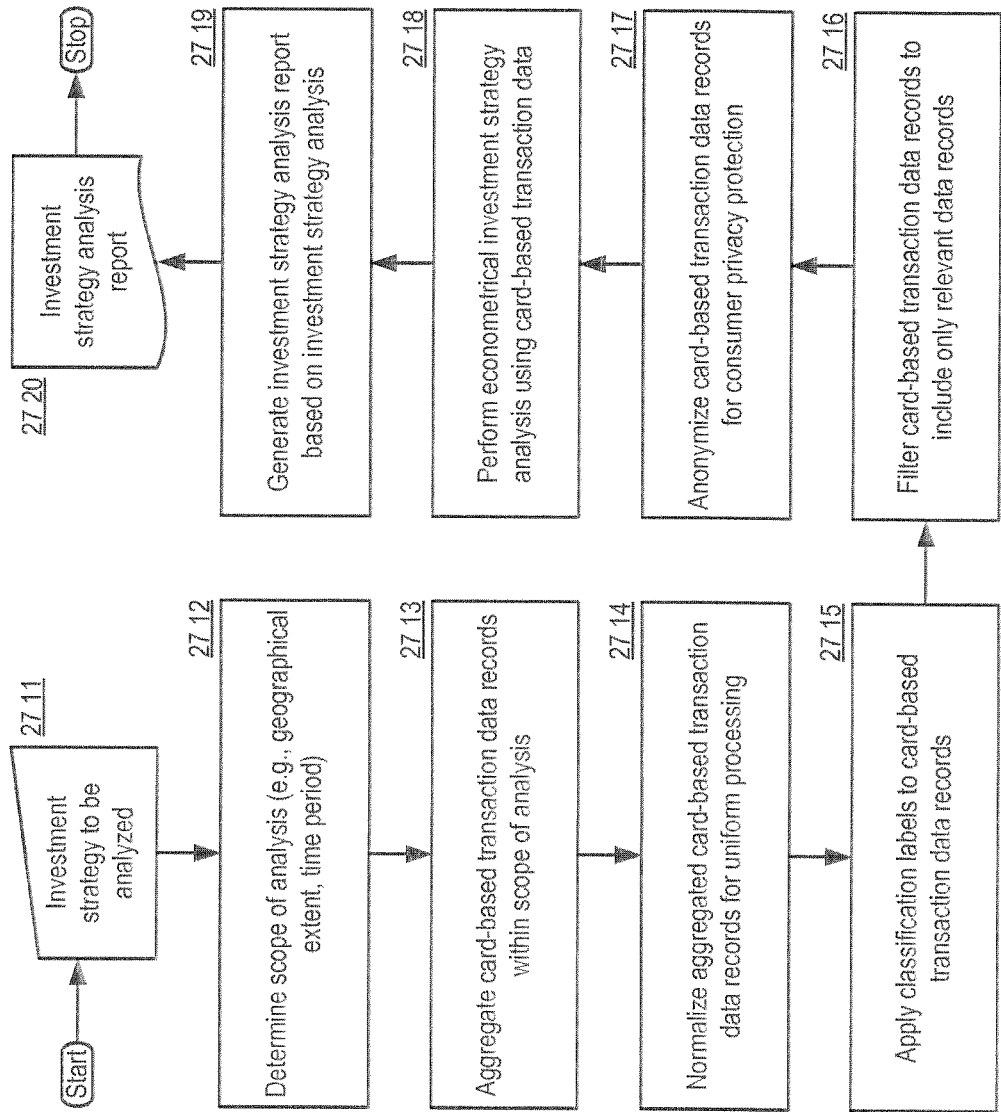


FIGURE 27B Example: Econometrical Investment Strategy Analysis

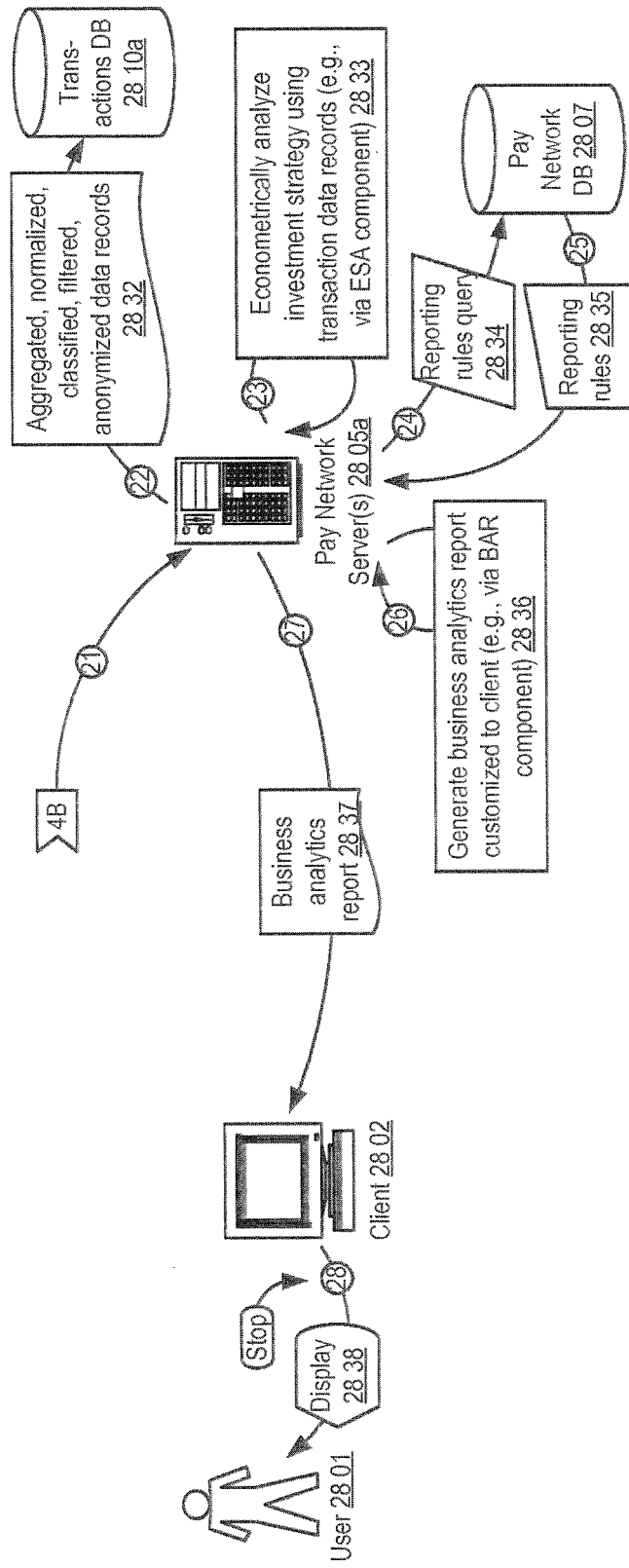


FIGURE 28C
Example Data Flow: Econometrical Analysis of an Investment Strategy

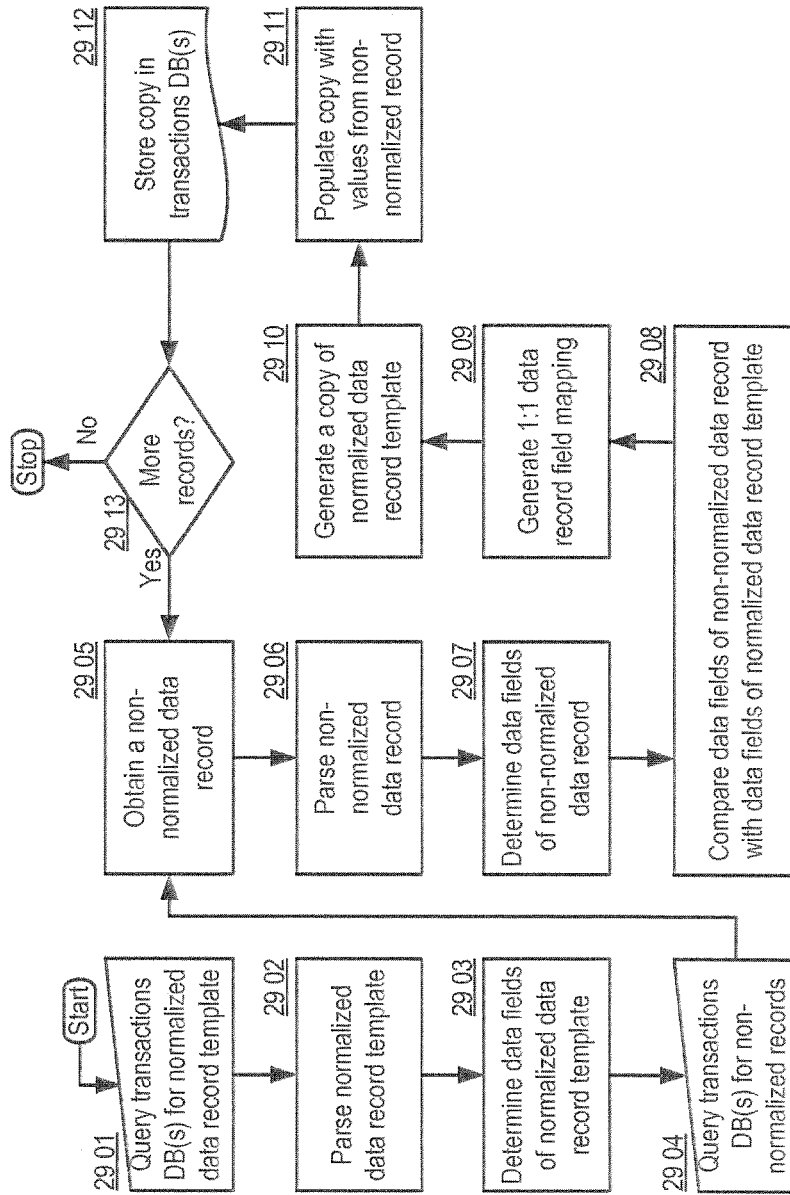


FIGURE 29

Example Logic Flow: Transaction Data Normalization (TDN) component

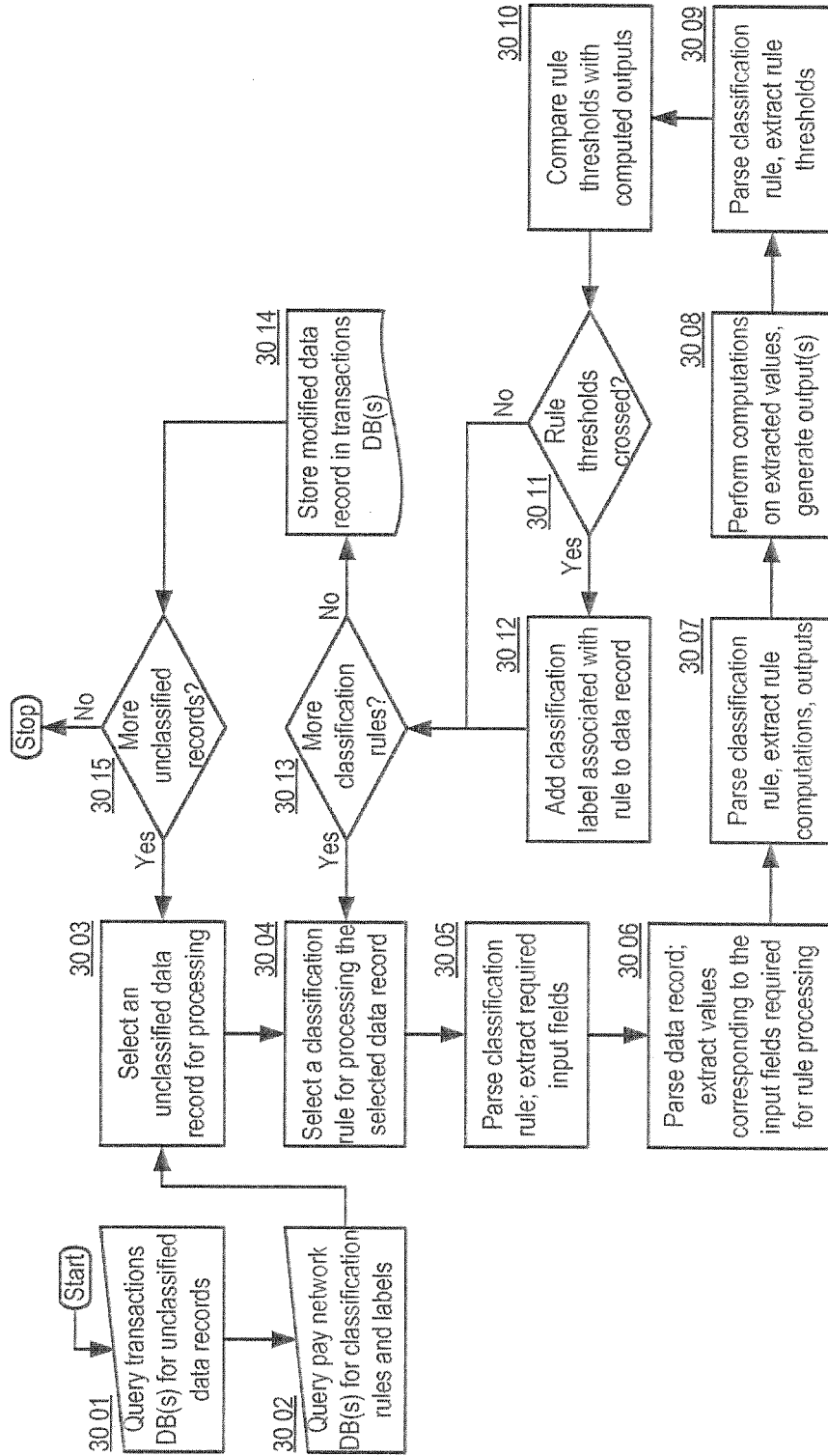


FIGURE 30

Example Logic Flow: Card-Based Transaction Classification (CTC) component

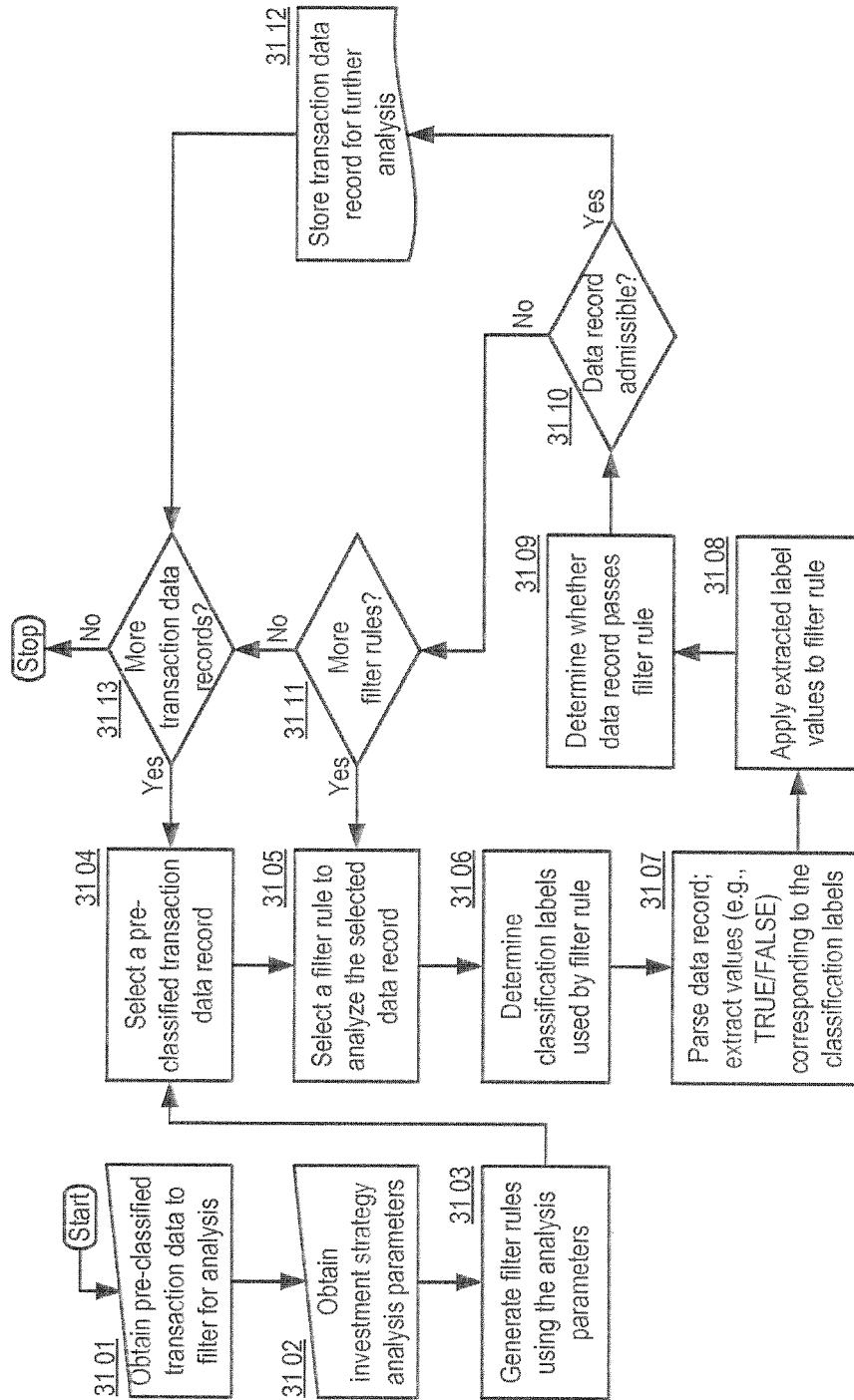


FIGURE 31

Example: Transaction Data Filtering (TDF) component

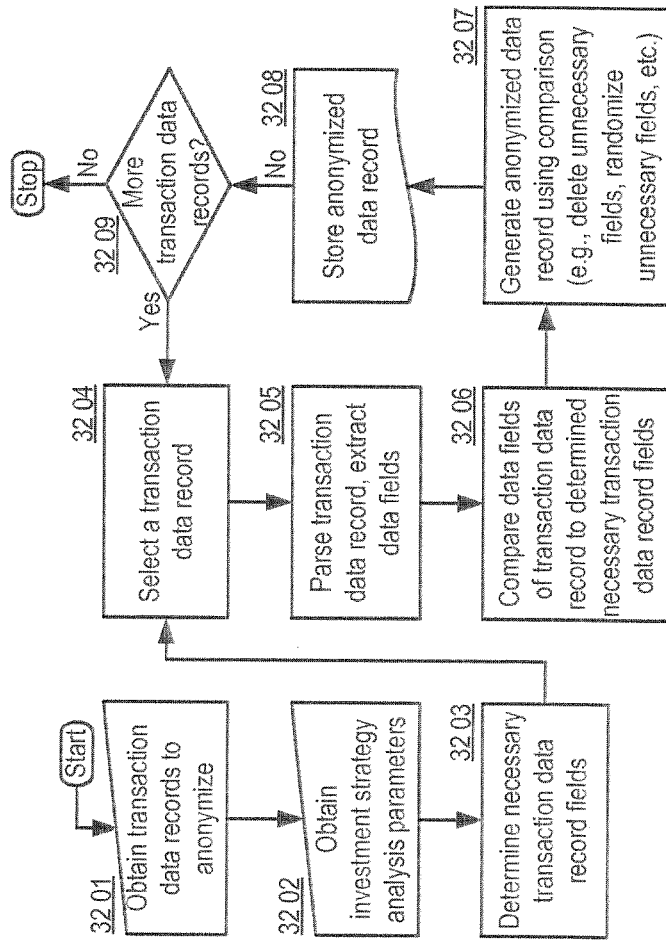


FIGURE 32

Example Logic Flow: Consumer Data Anonymization (CDA) component

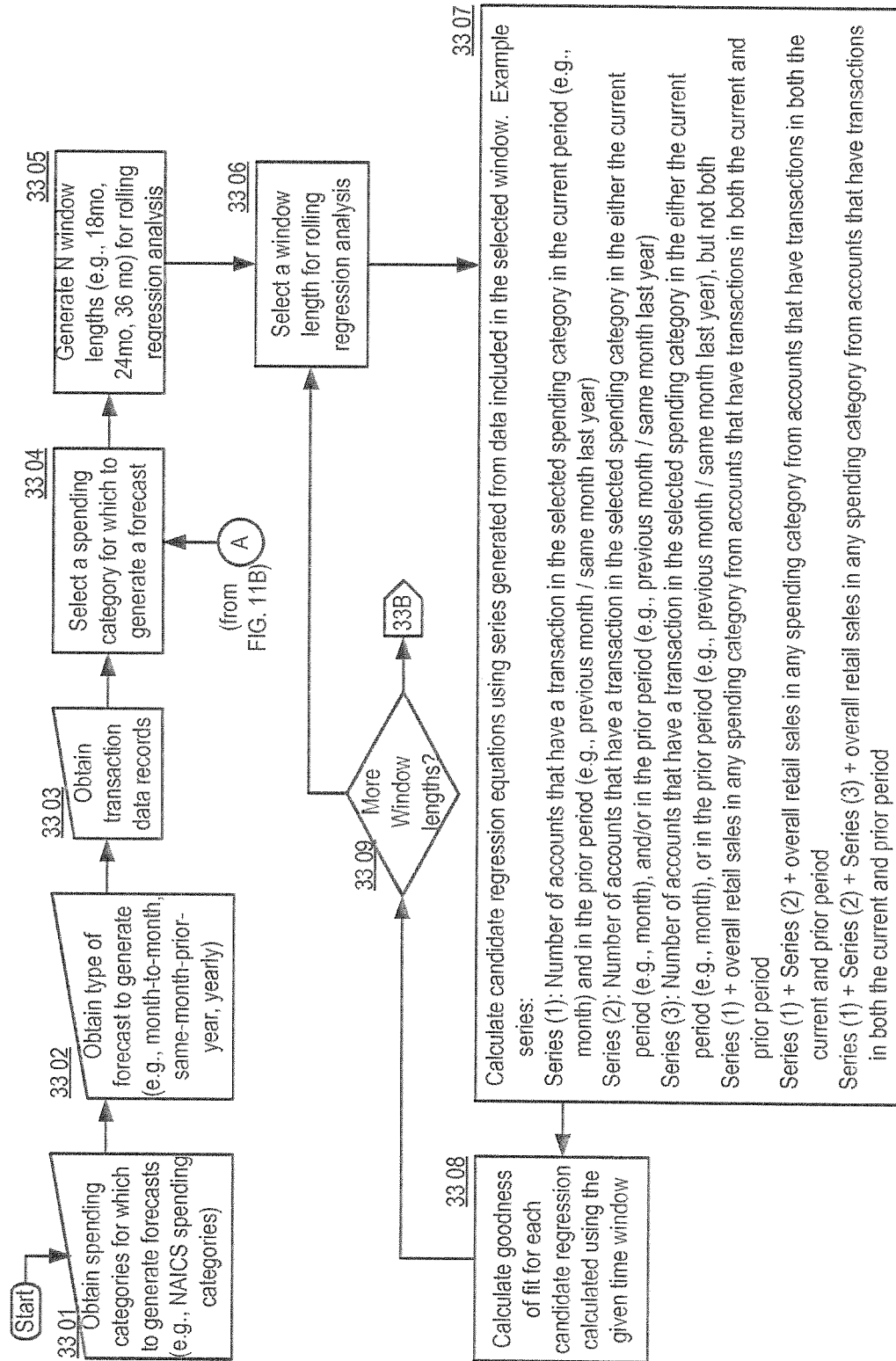


FIGURE 33A

Example Logic Flow: Econometrical Strategy Analysis (ESA) component

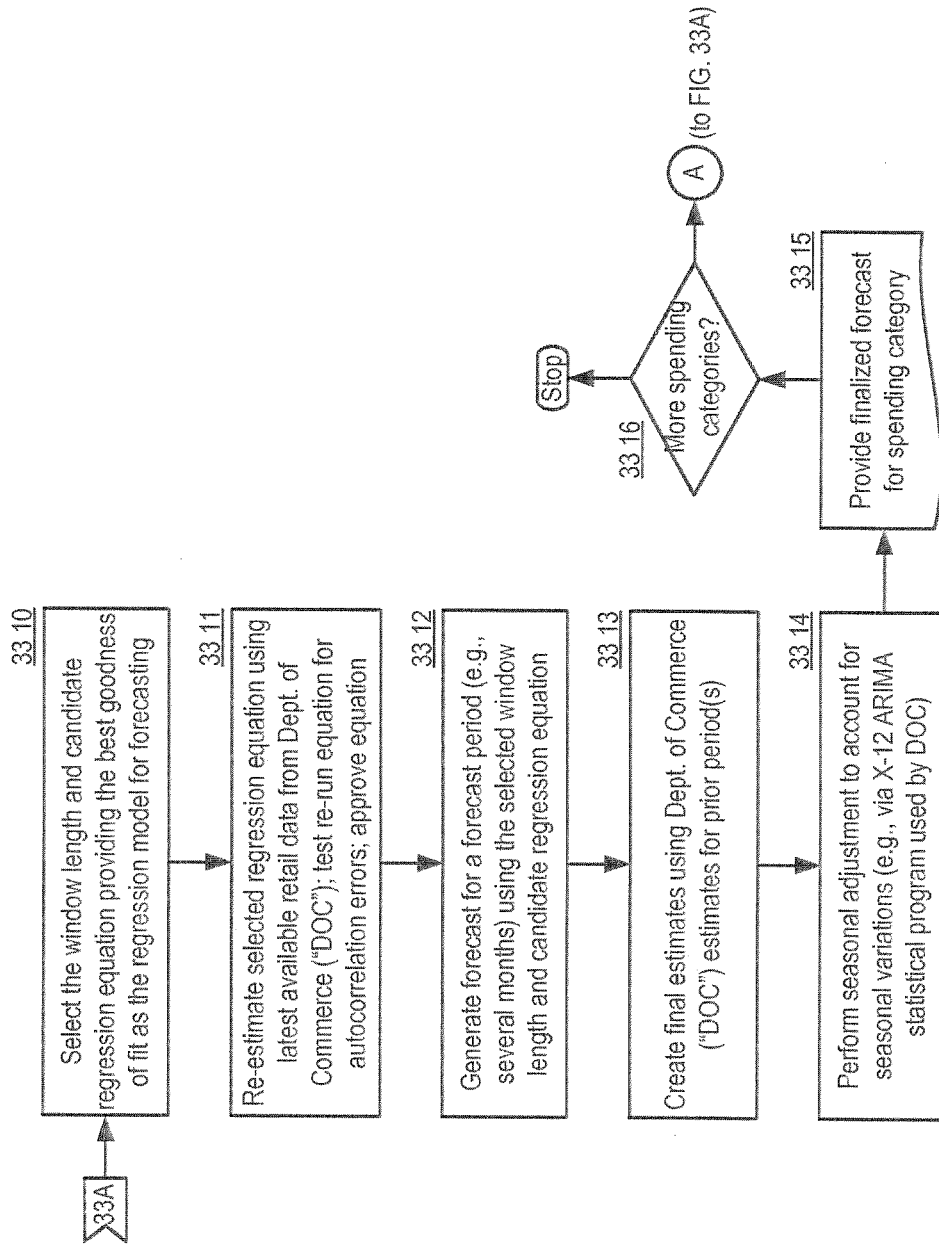


FIGURE 33B

Example Logic Flow: Econometrical Strategy Analysis (ESA) component

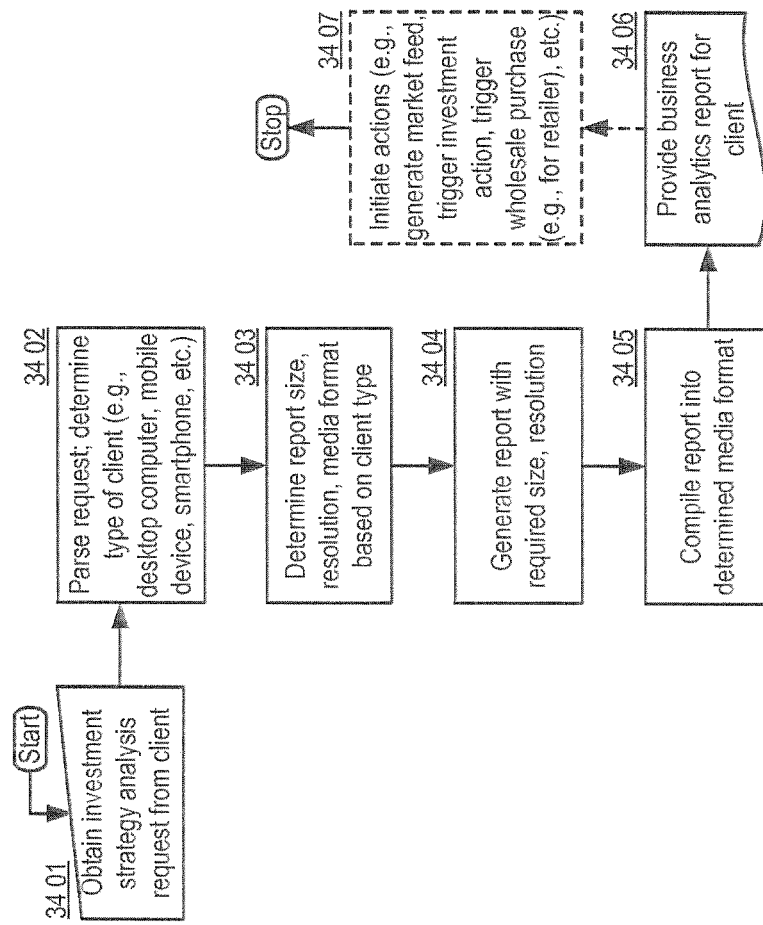


FIGURE 34

Example Logic Flow: Business Analytics Reporting (BAR) component

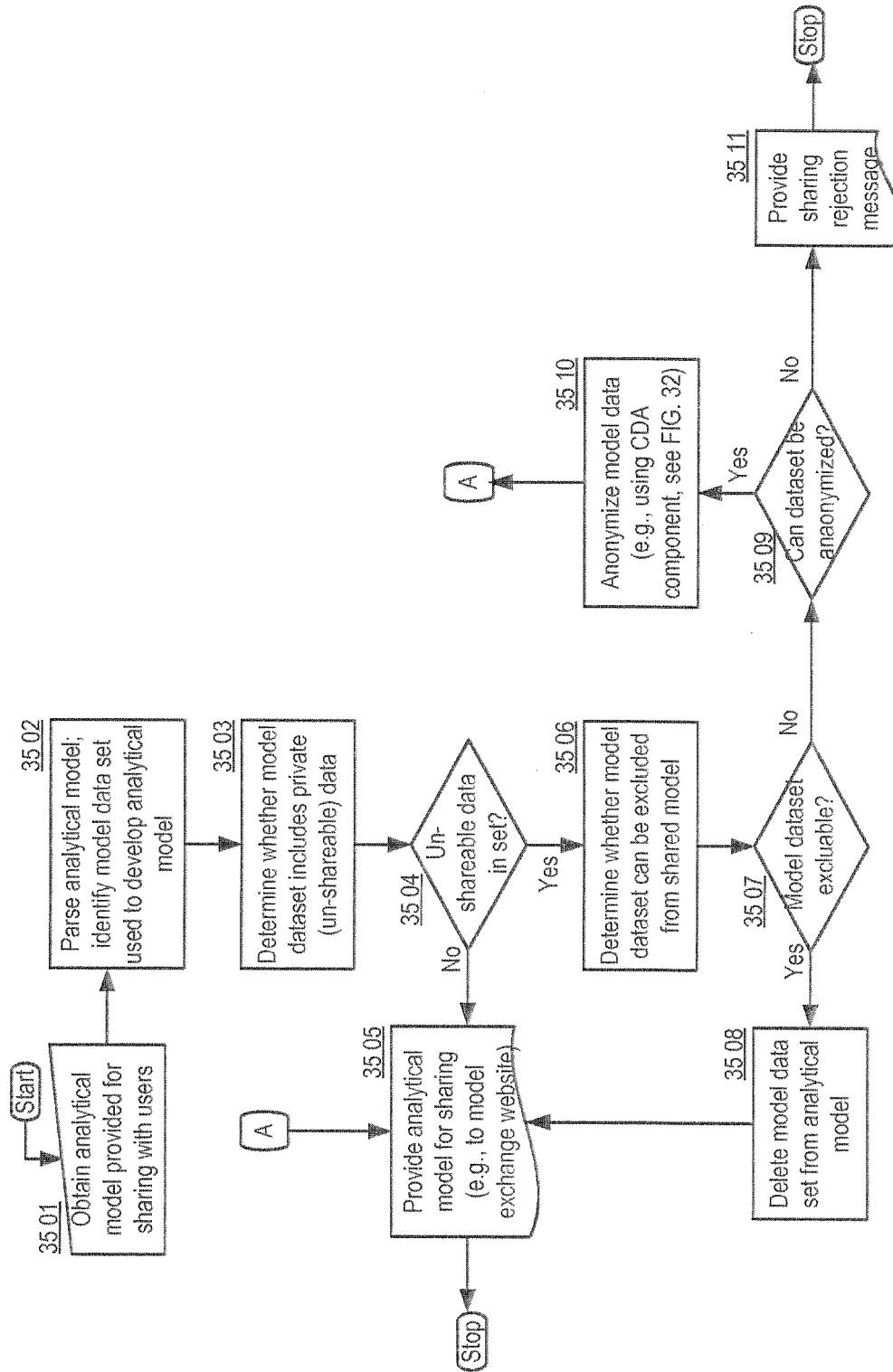


FIGURE 35

Example Logic Flow: Analytical Model Sharing (AMS) component

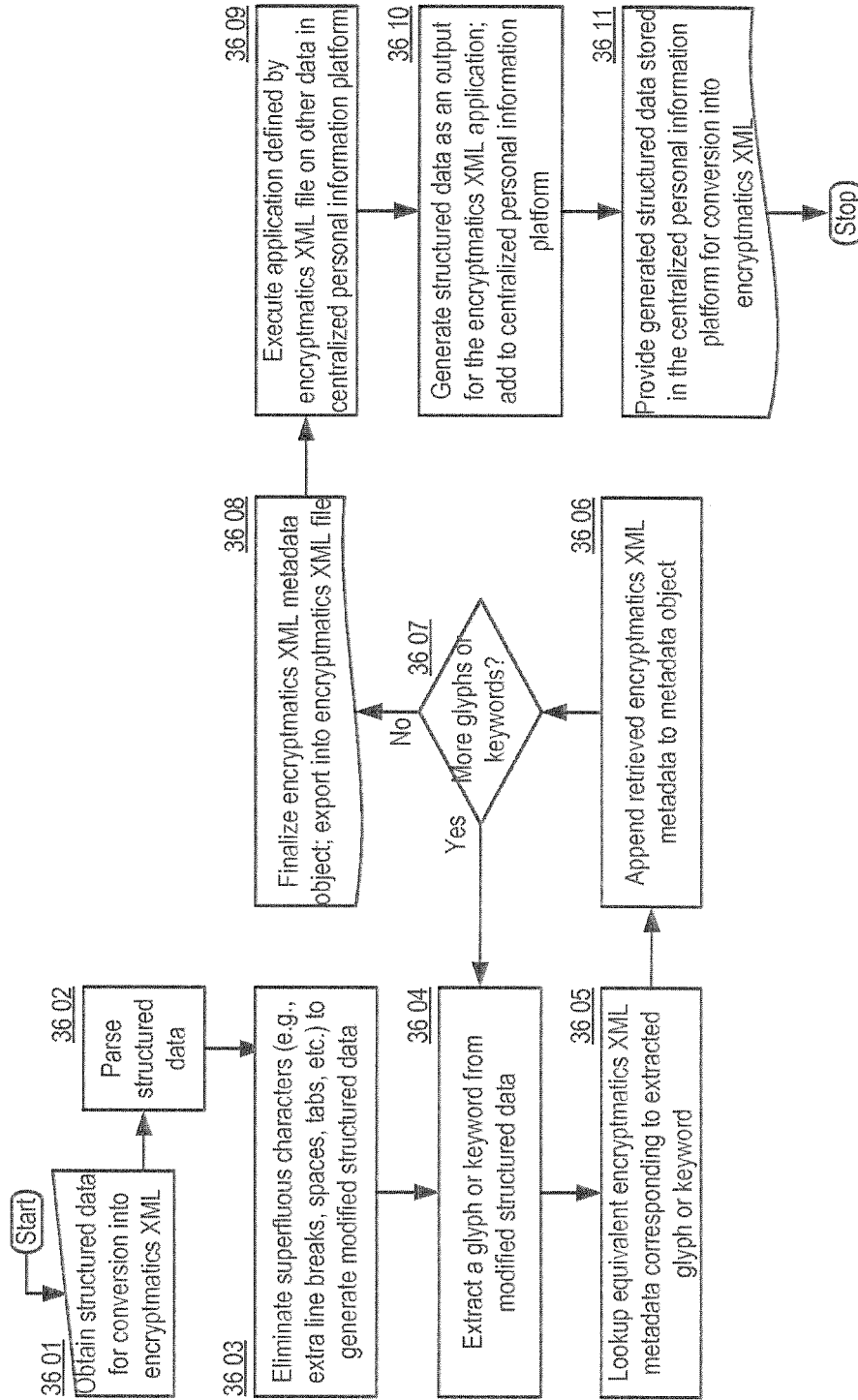
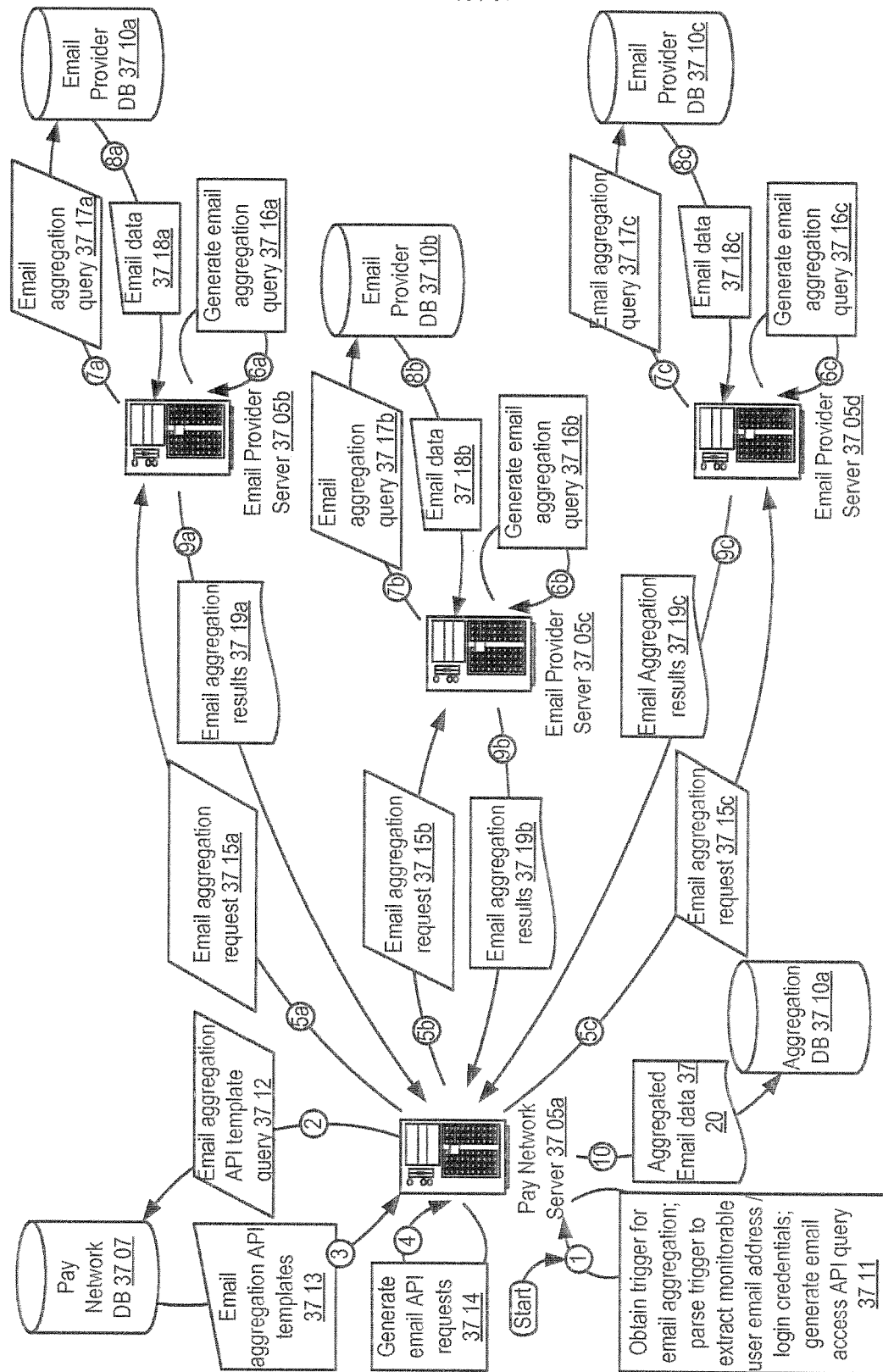


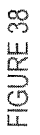
FIGURE 36

Example Logic Flow: Encryptmatics XML Converter (EXC) component



Example: Email Data Aggregation

FIGURE 37



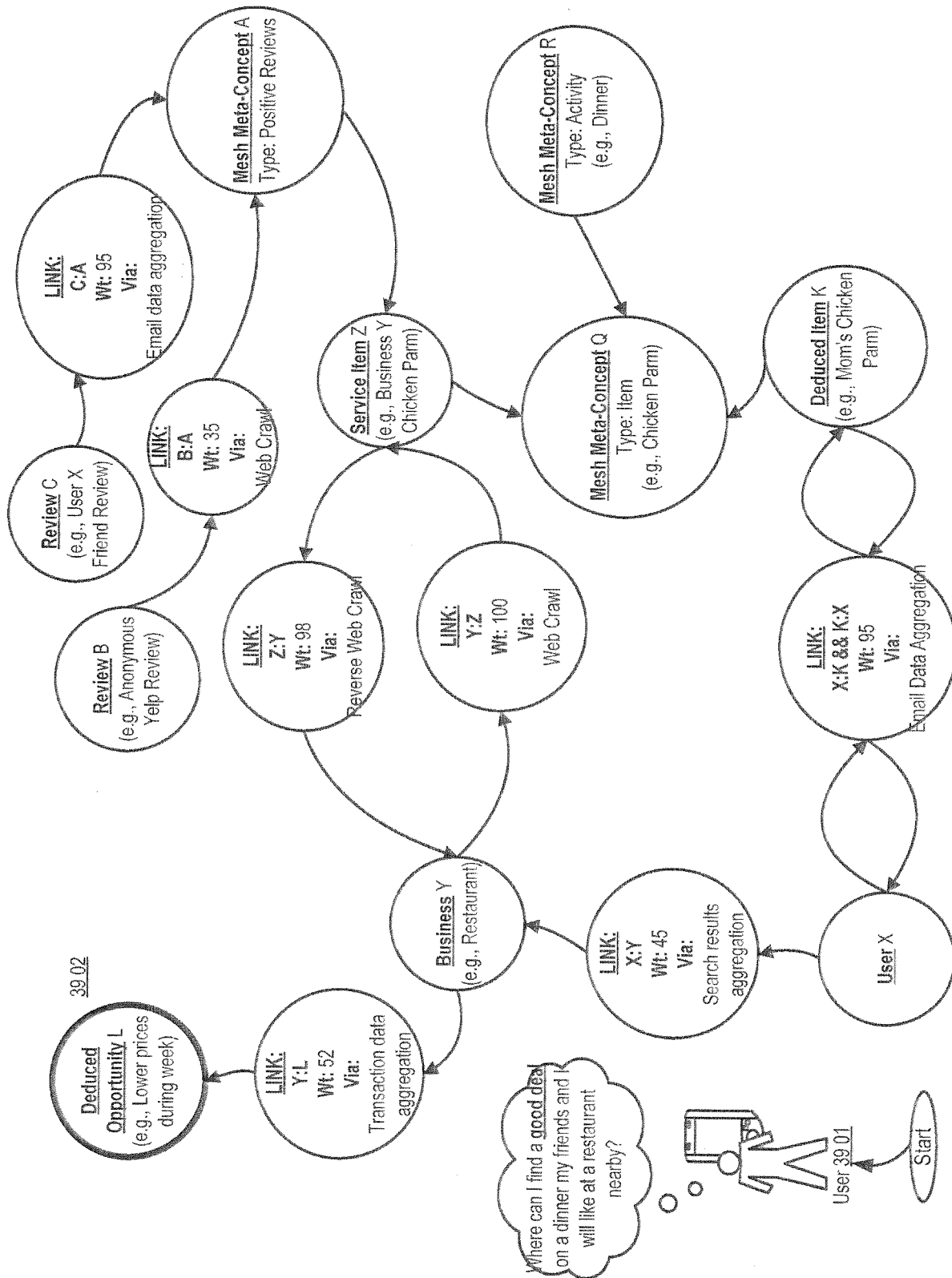


FIGURE 39A

Example: Distributed Linking Node Mesh Search

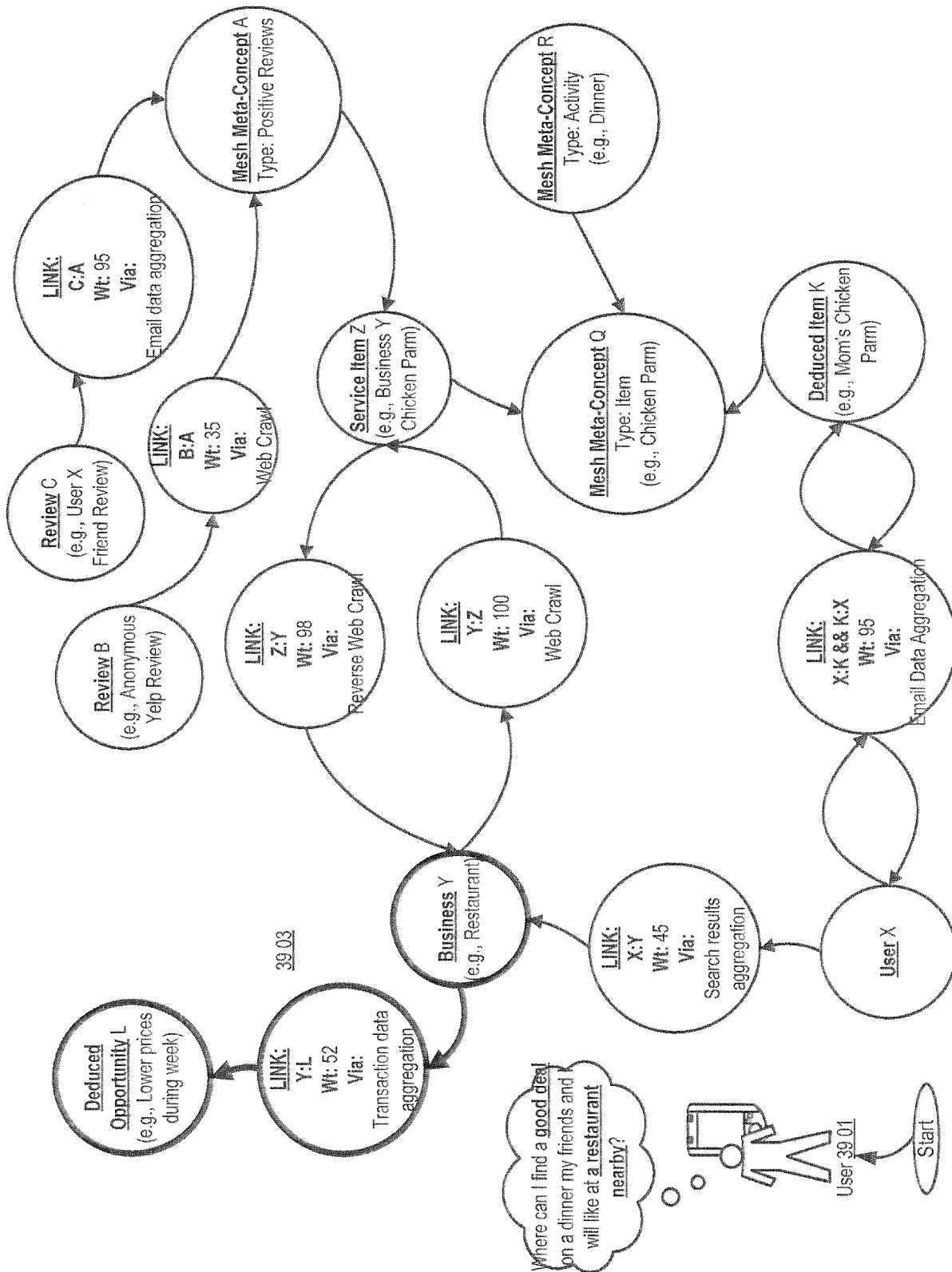


FIGURE 39B

Example: Distributed Linking Node Mesh Search

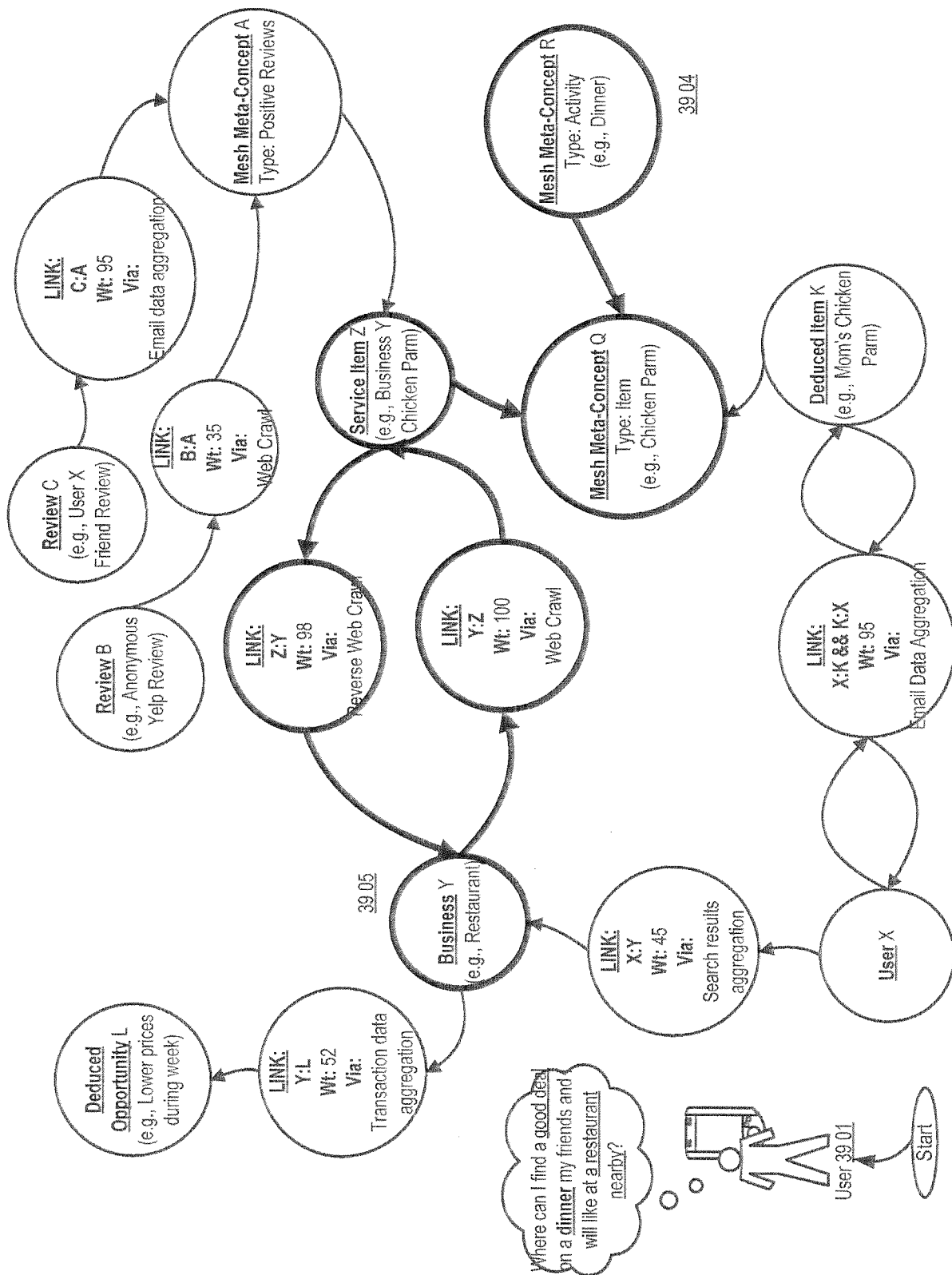


FIGURE 39C

Example: Distributed Linking Node Mesh Search

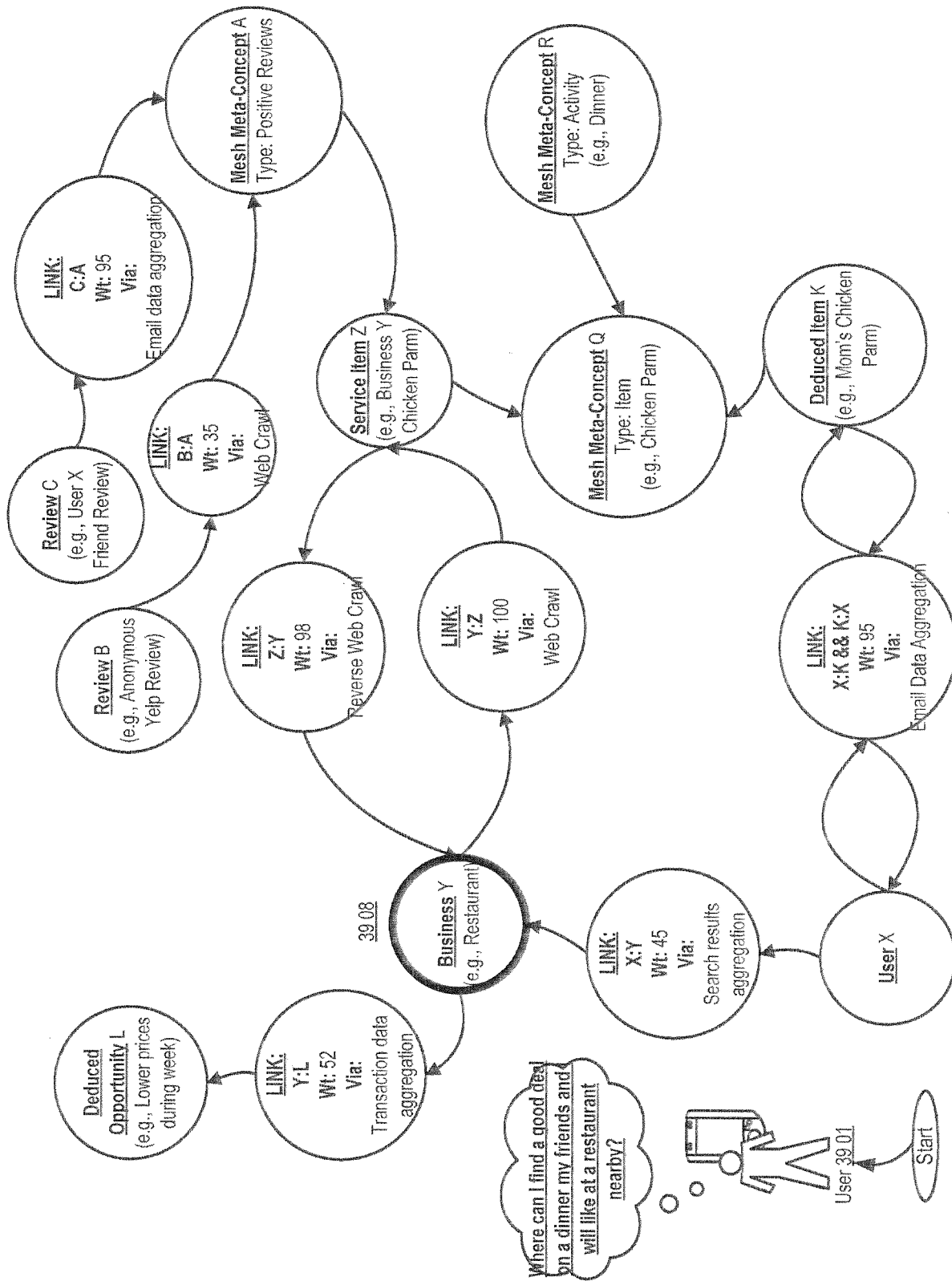


FIGURE 39E

Example: Distributed Linking Node Mesh Search

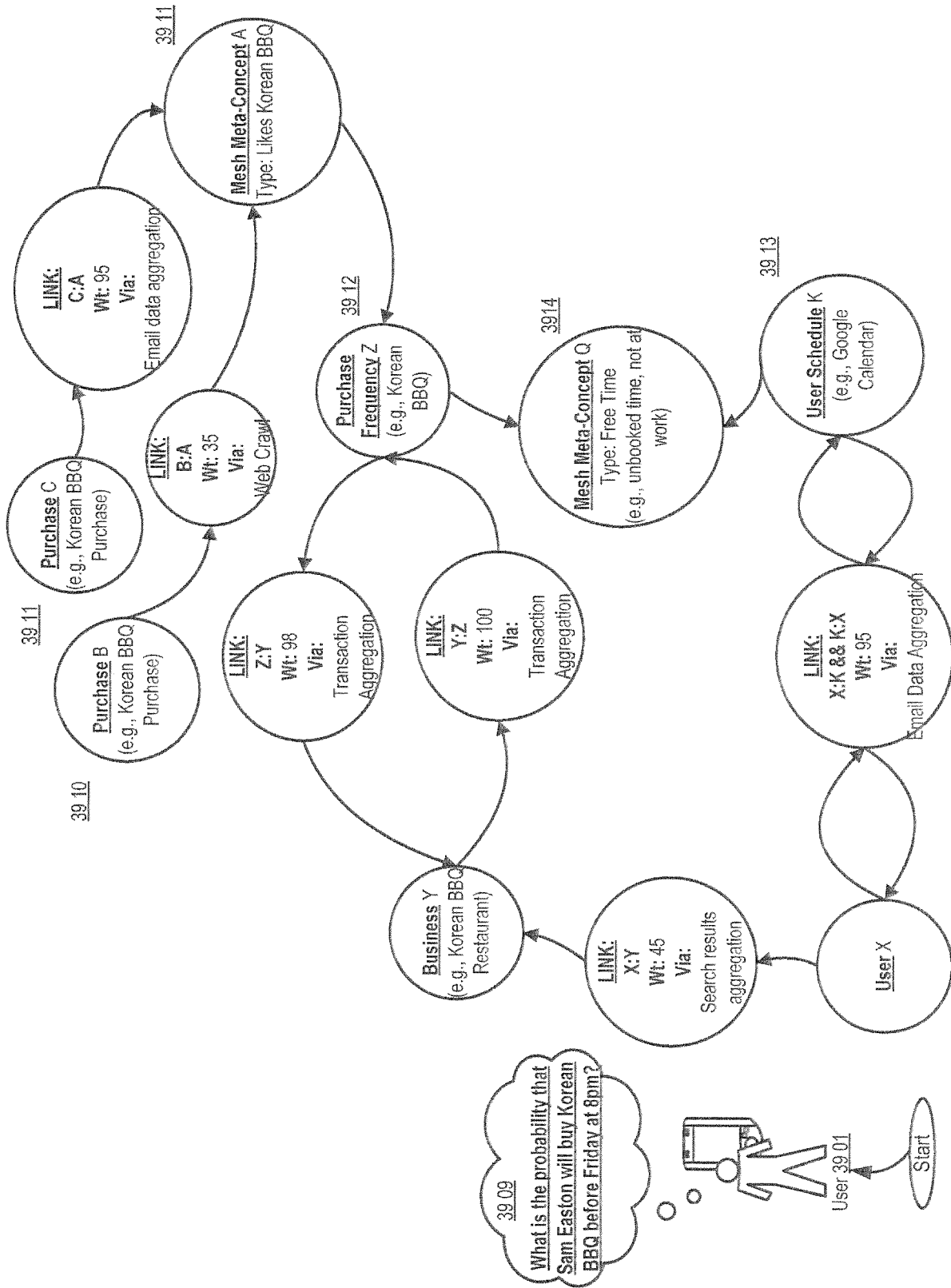
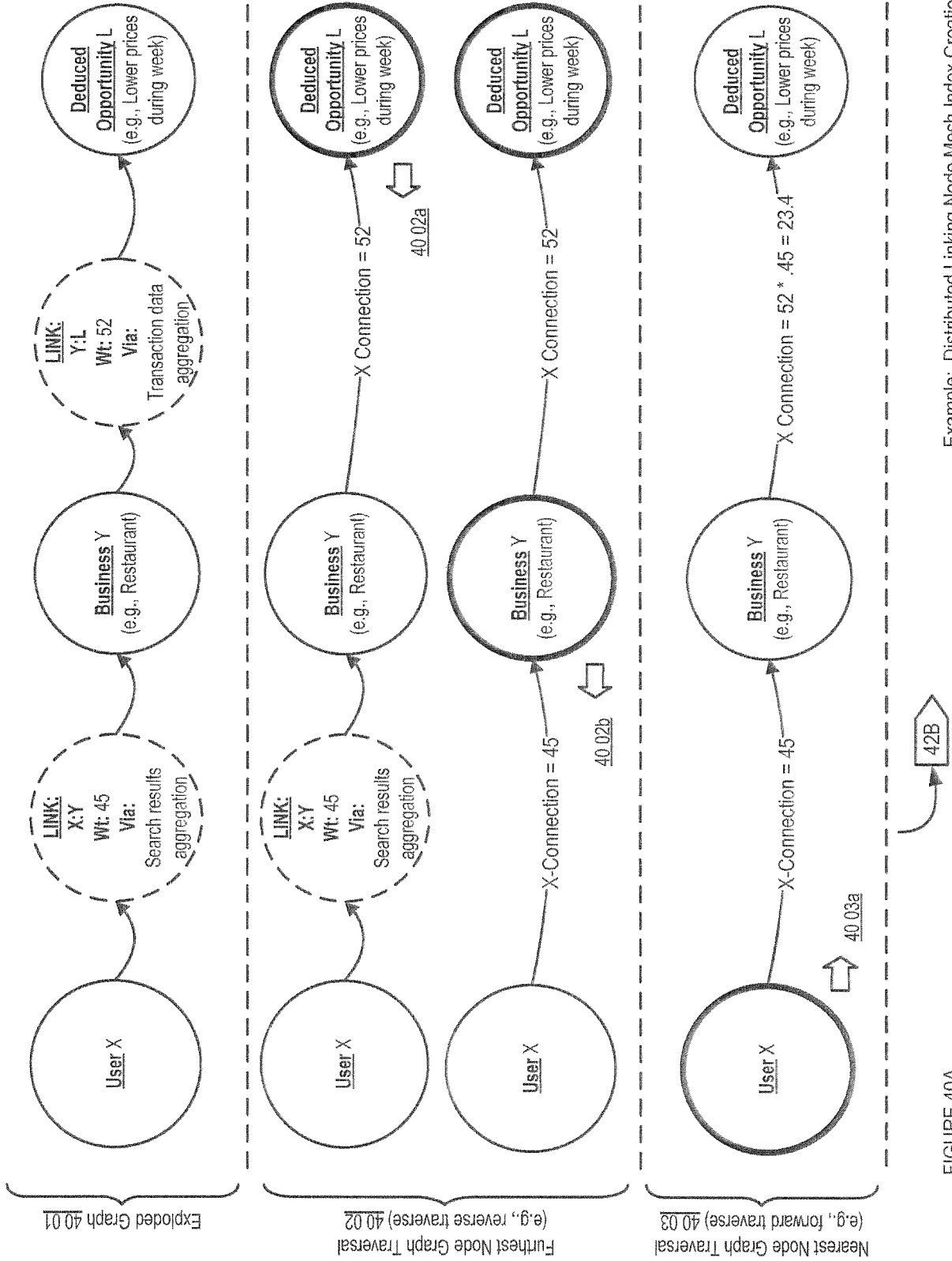


FIGURE 39F Example: Distributed Linking Node Mesh Search



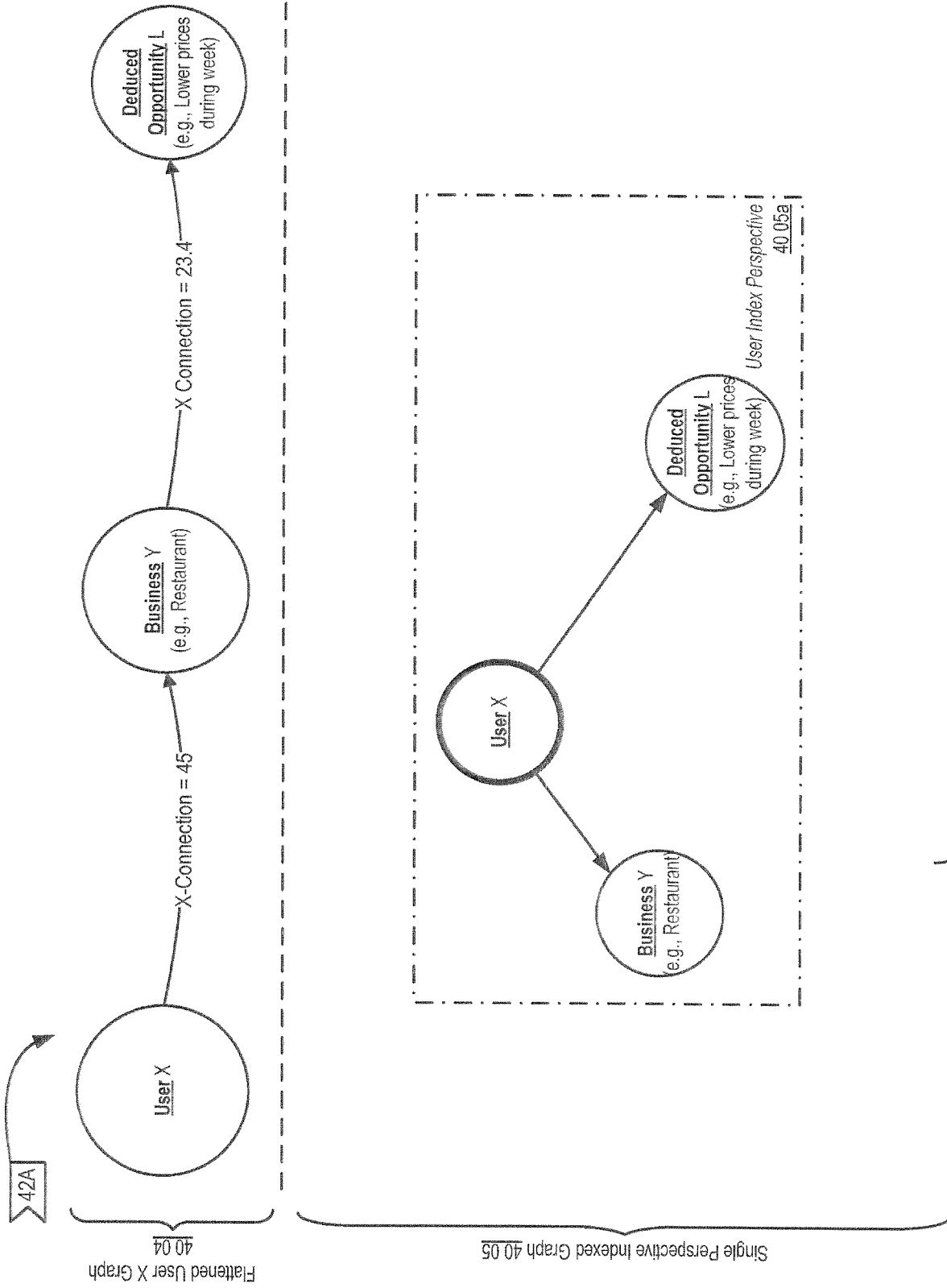


FIGURE 40B

Example: Distributed Linking Node Mesh Index Creation

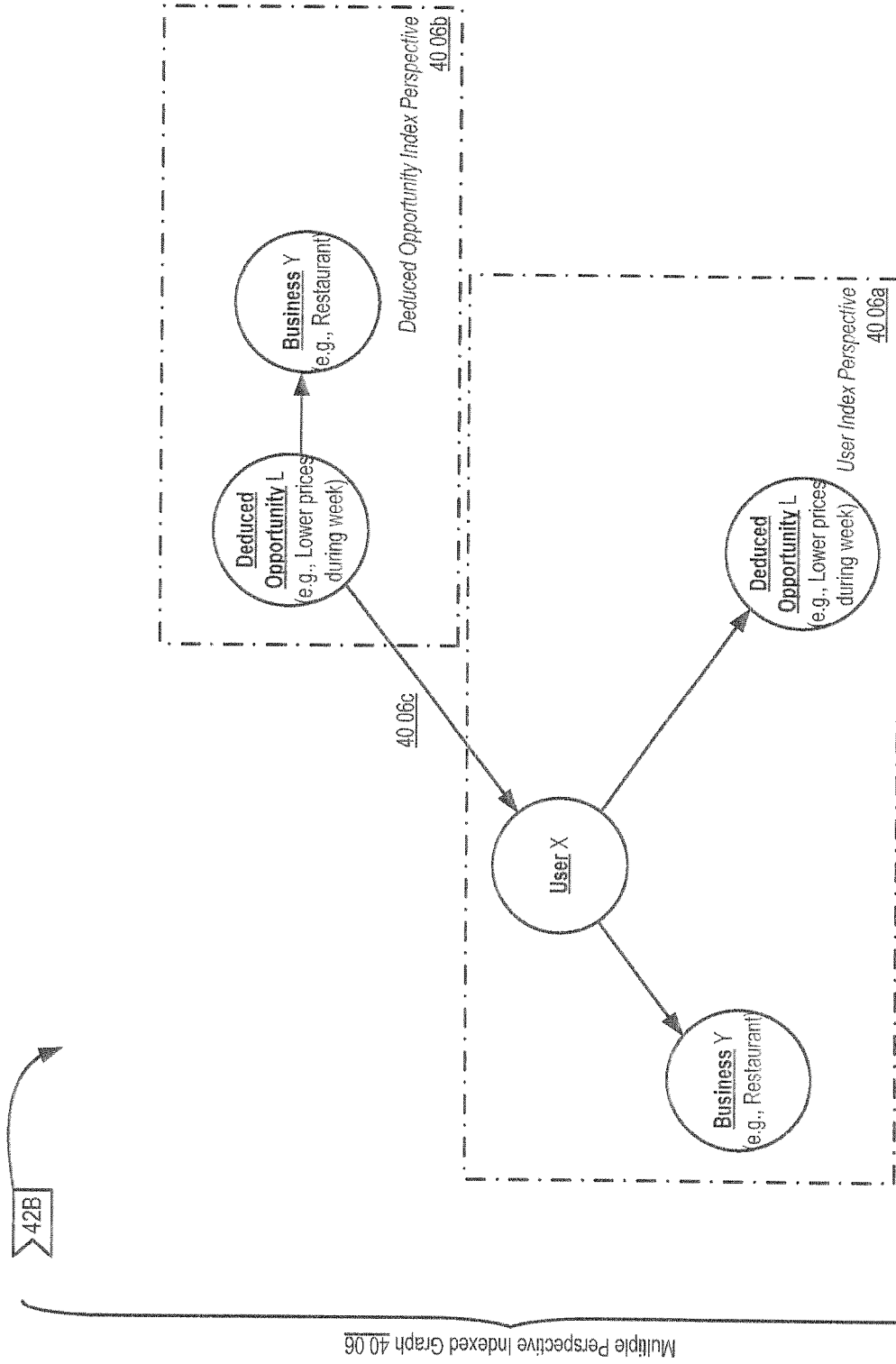


FIGURE 40C Example: Distributed Linking Node Mesh Index Creation

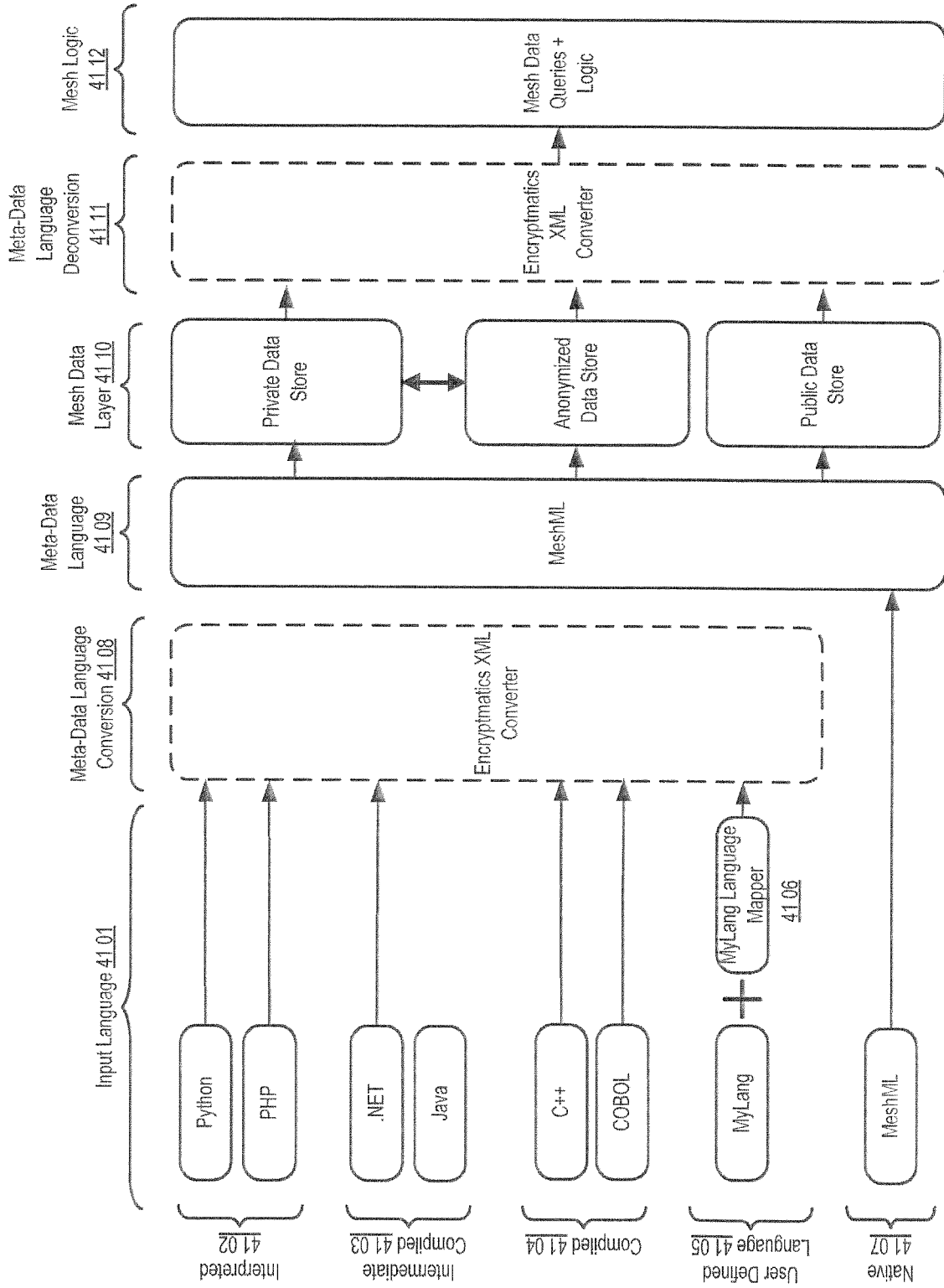


FIGURE 41

Example: Encryptmatics XML Converter (EXC) component

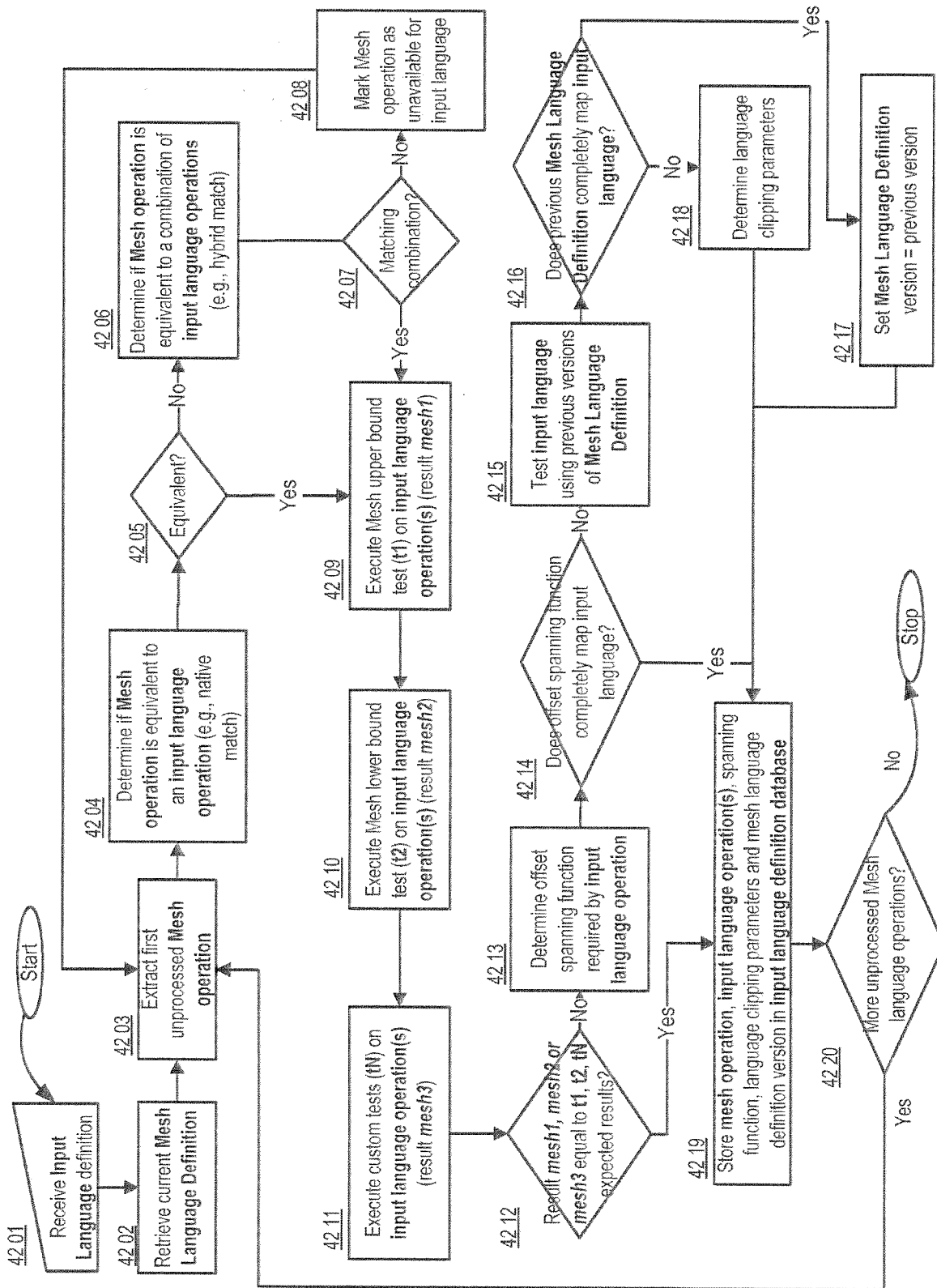


FIGURE 42

Example Logic Flow: Encryptmatics XML Converter (EXC) Component, Input Language Loading

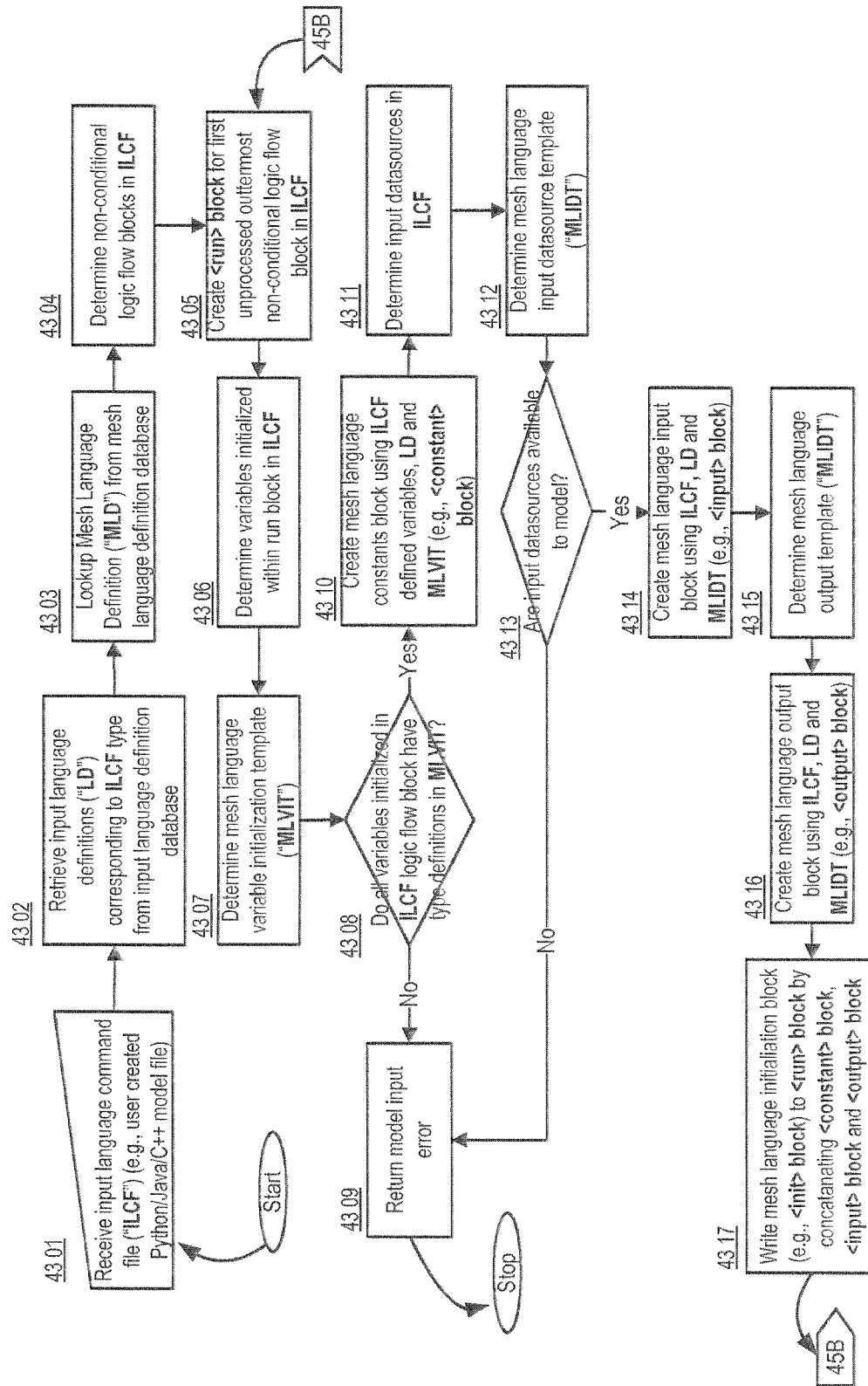


FIGURE 43A

Example Logic Flow: Encryptmatics XML Converter (EXC) Component, Input Model Conversion

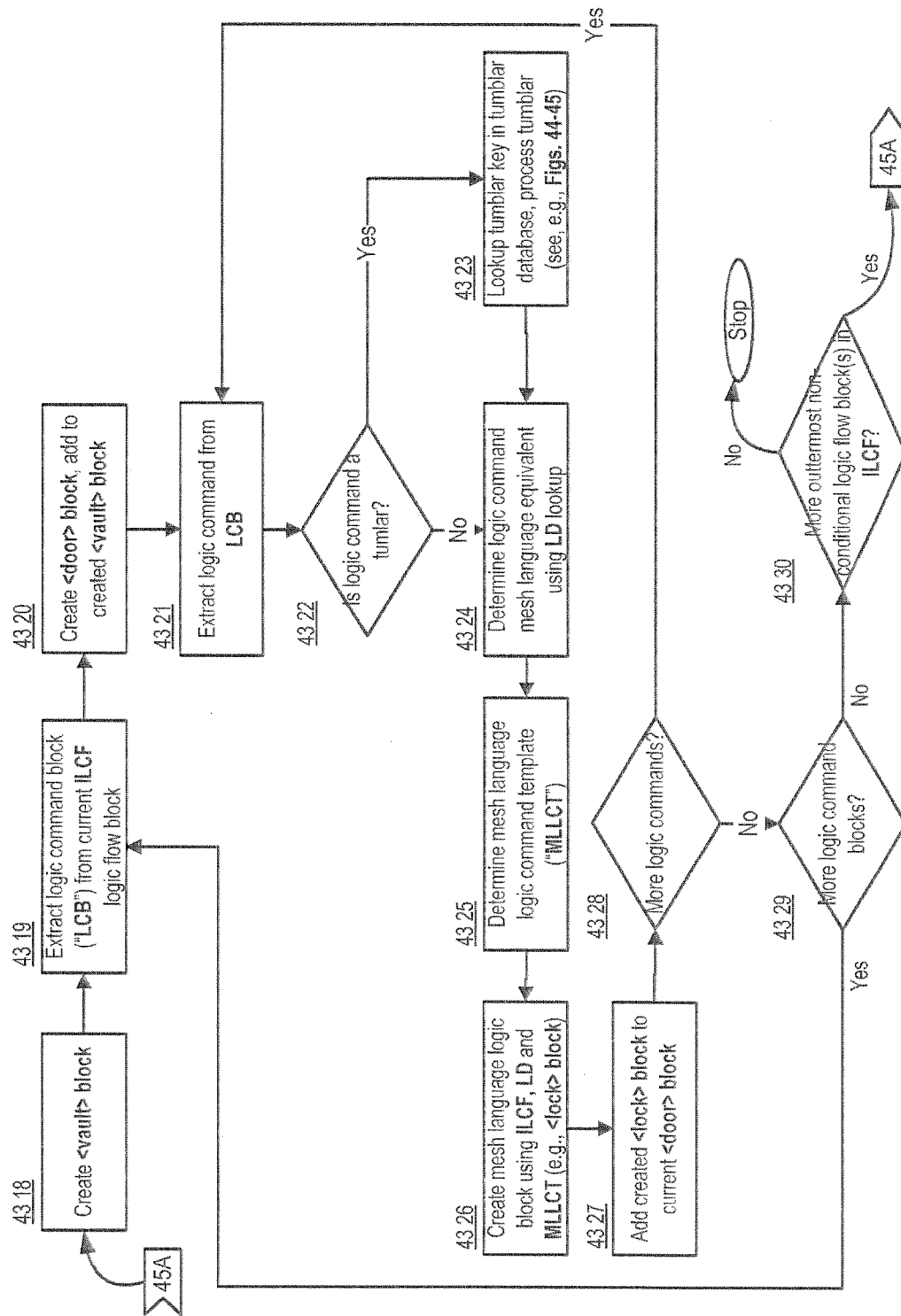


FIGURE 43B

Example Logic Flow: Encryptmatics XML Converter (EXC) Component, Input Model Conversion

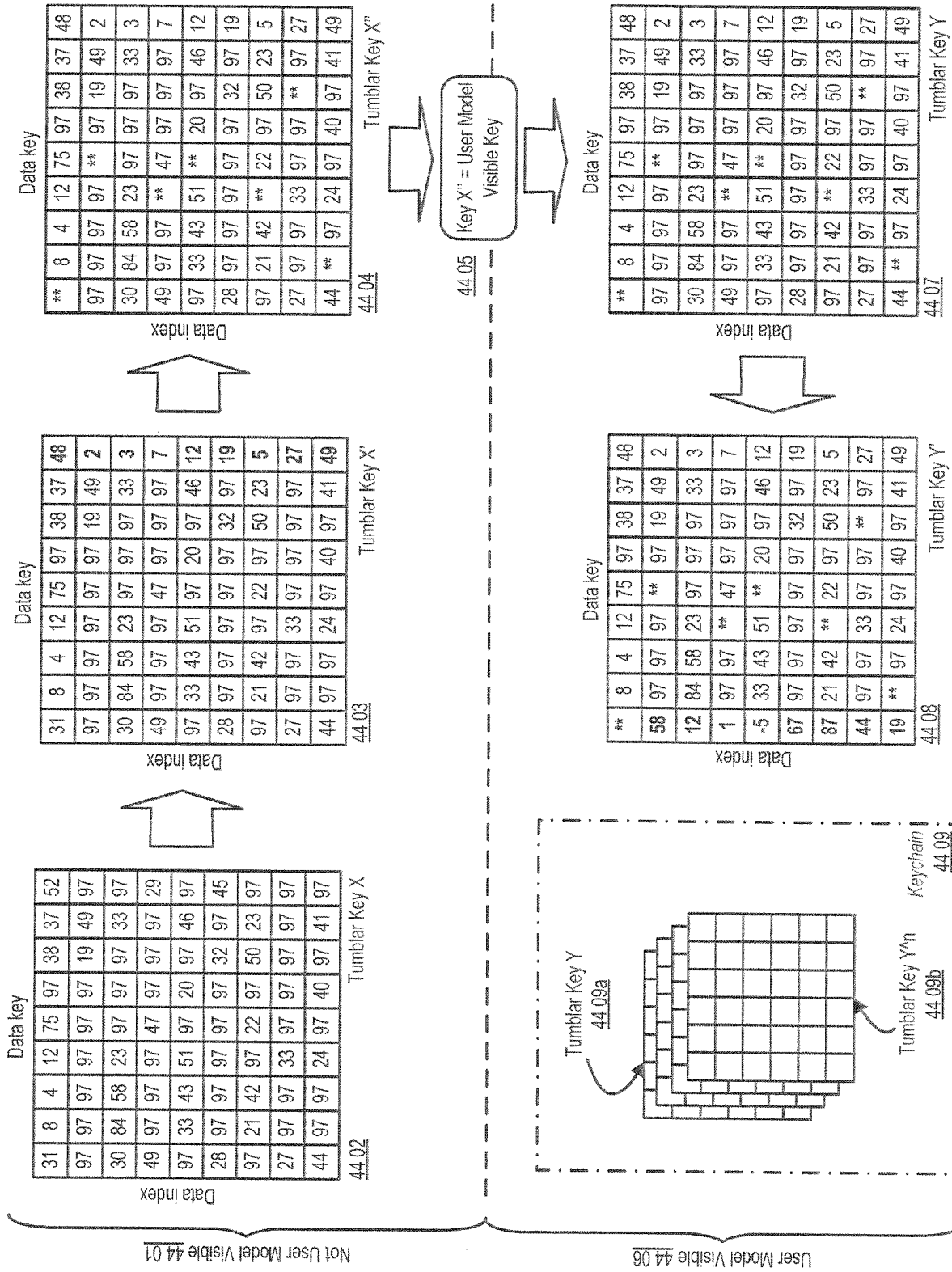


FIGURE 44

Example: Tumblar Data Source Manipulation / Anonymization Component (e.g., TDS Component)

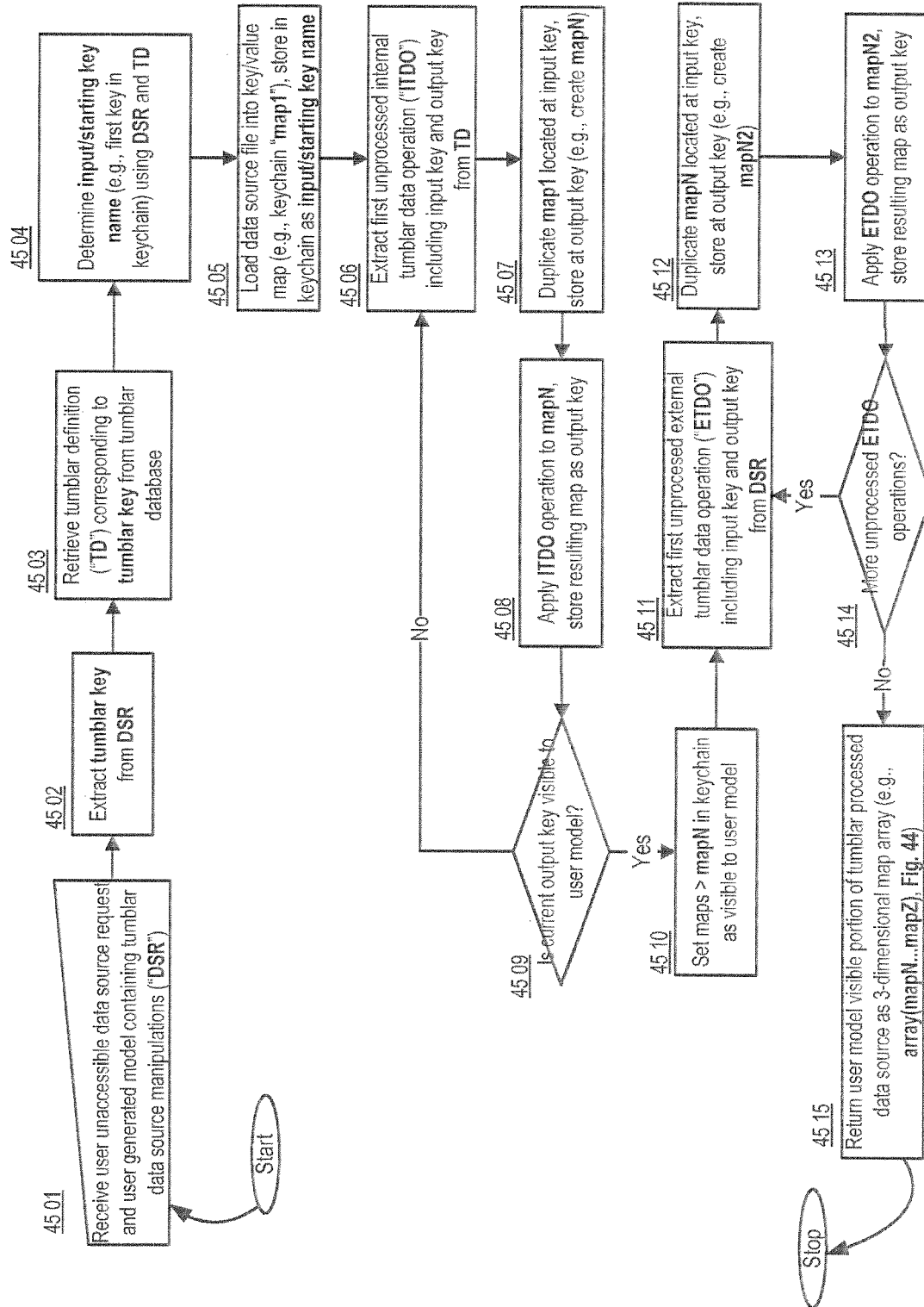


FIGURE 45 Example Logic Flow: Tumblr Data Source Manipulation / Anonymization Component (e.g., TDS Component)

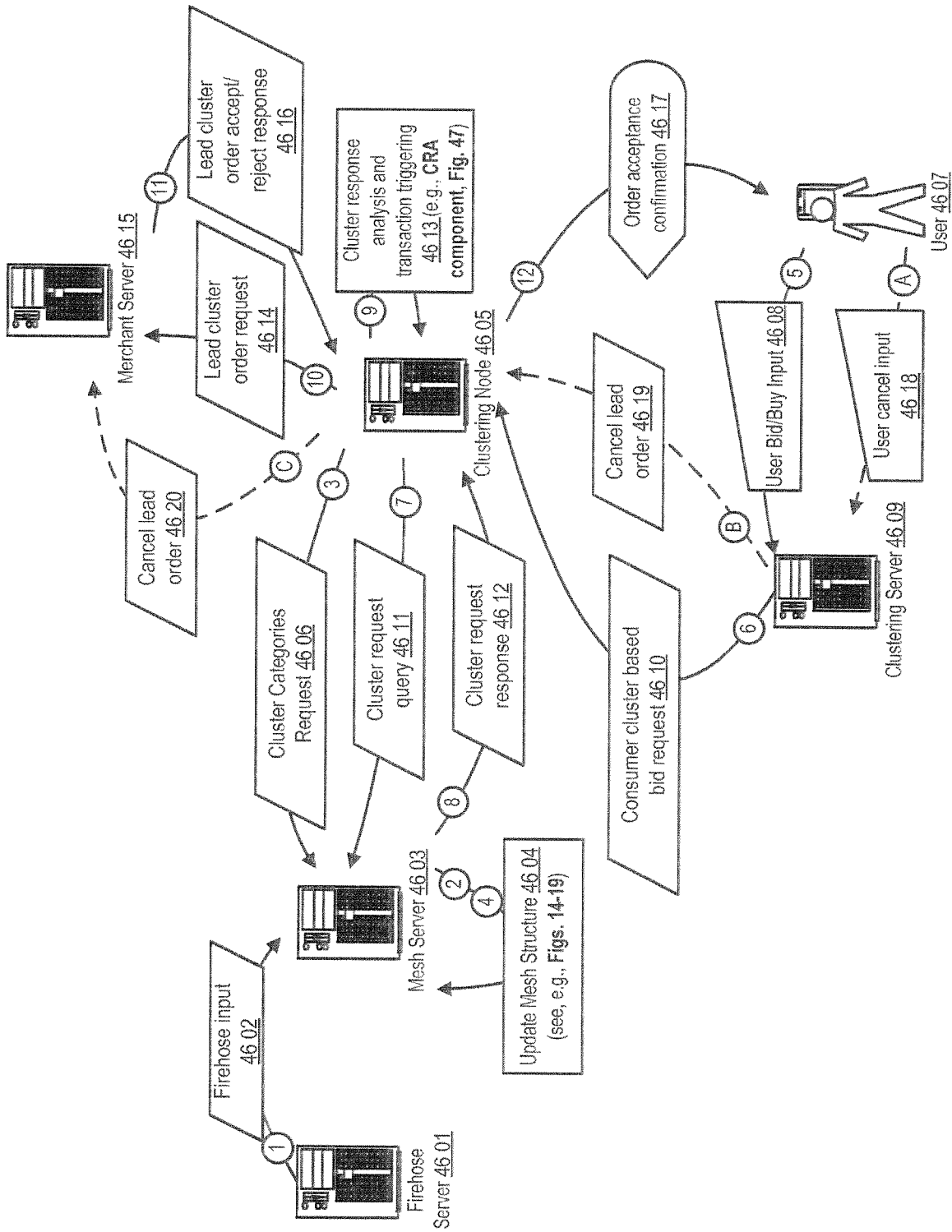


FIGURE 46

Example Data Flow: Mesh Aggregation and Cluster Querying

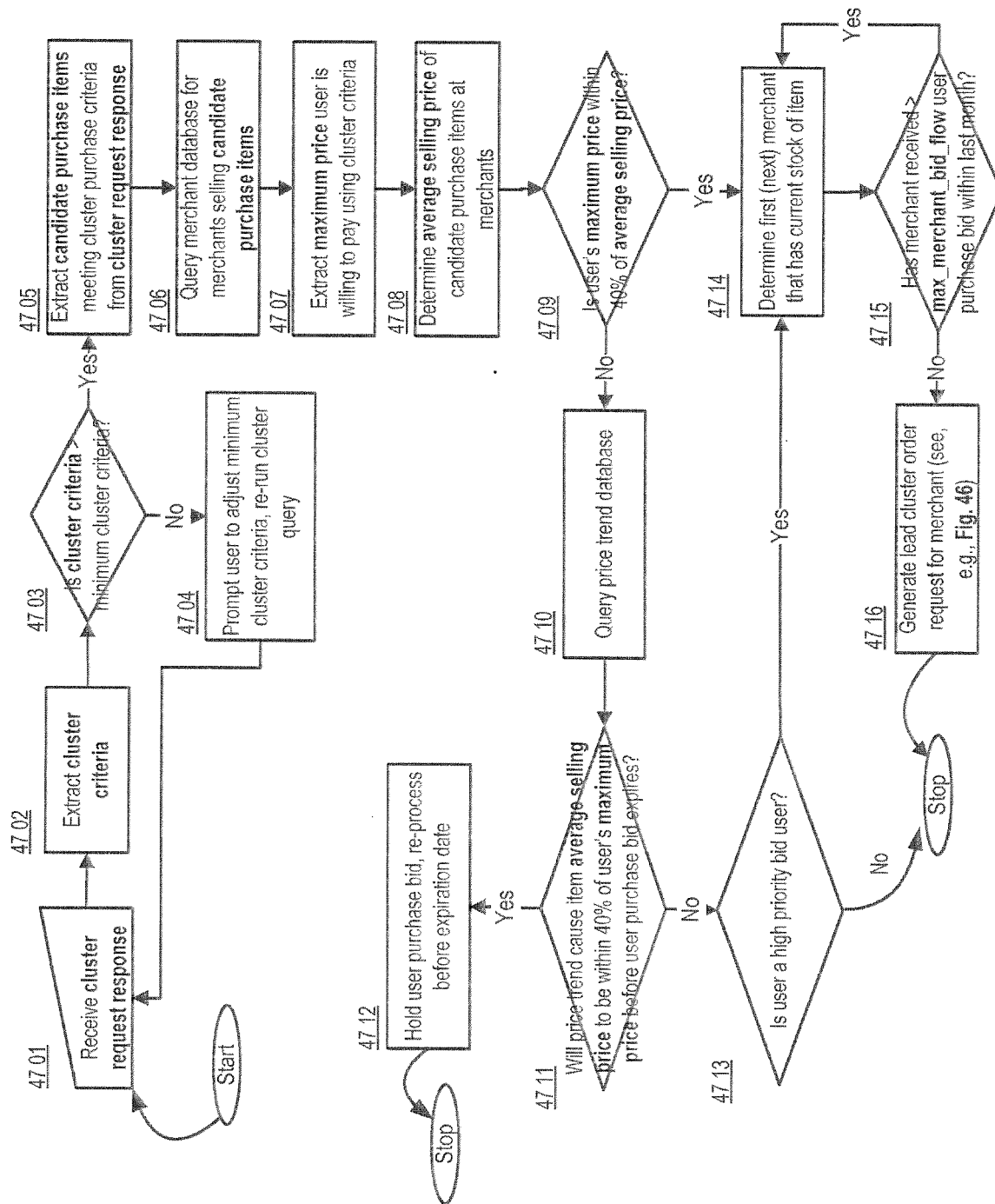


FIGURE 47

Example Logic Flow: Cluster Response Analysis and Transaction Triggering ("CRA") Component

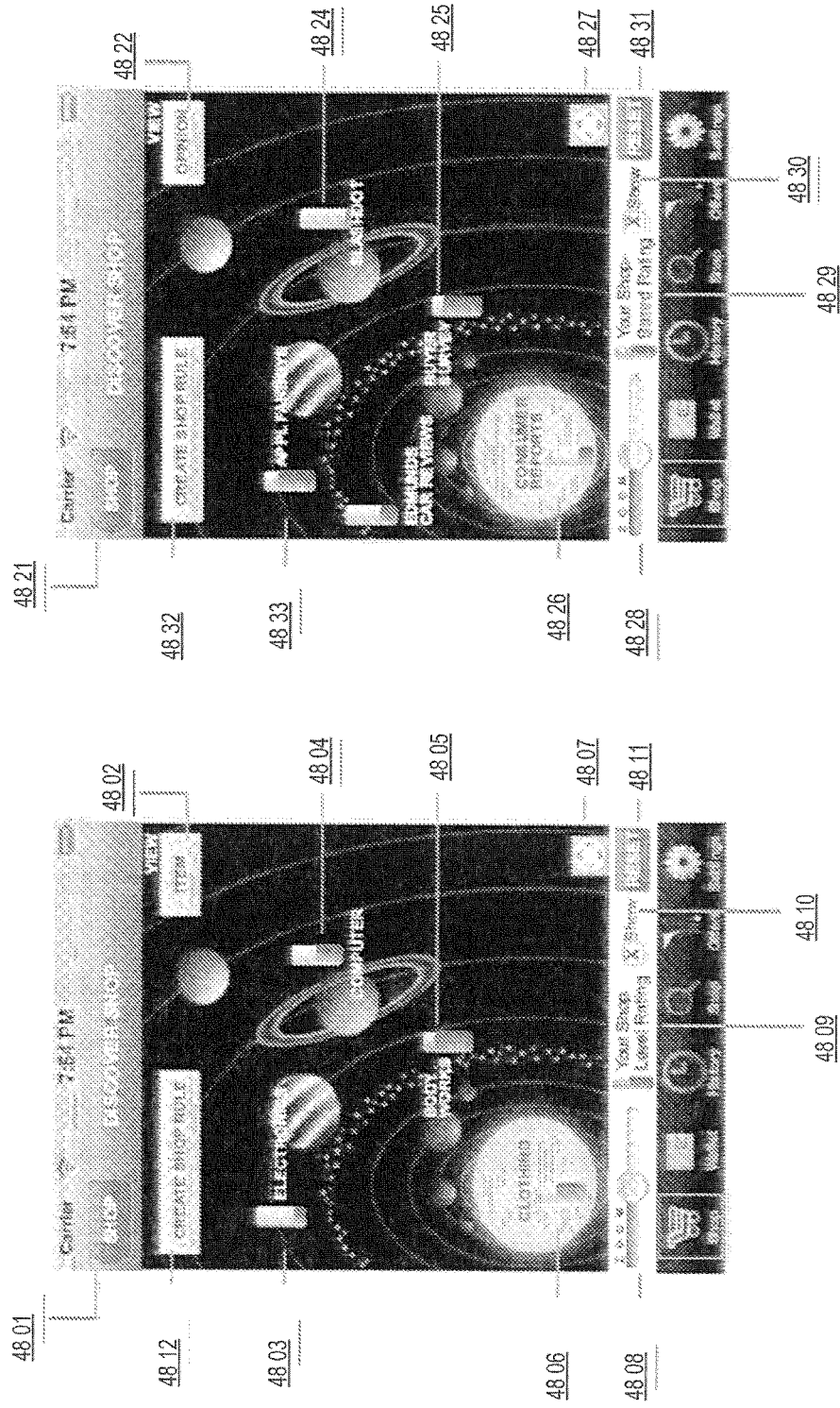


FIGURE 48A

Example: Application Embodiment – Discovery Shopping Mode

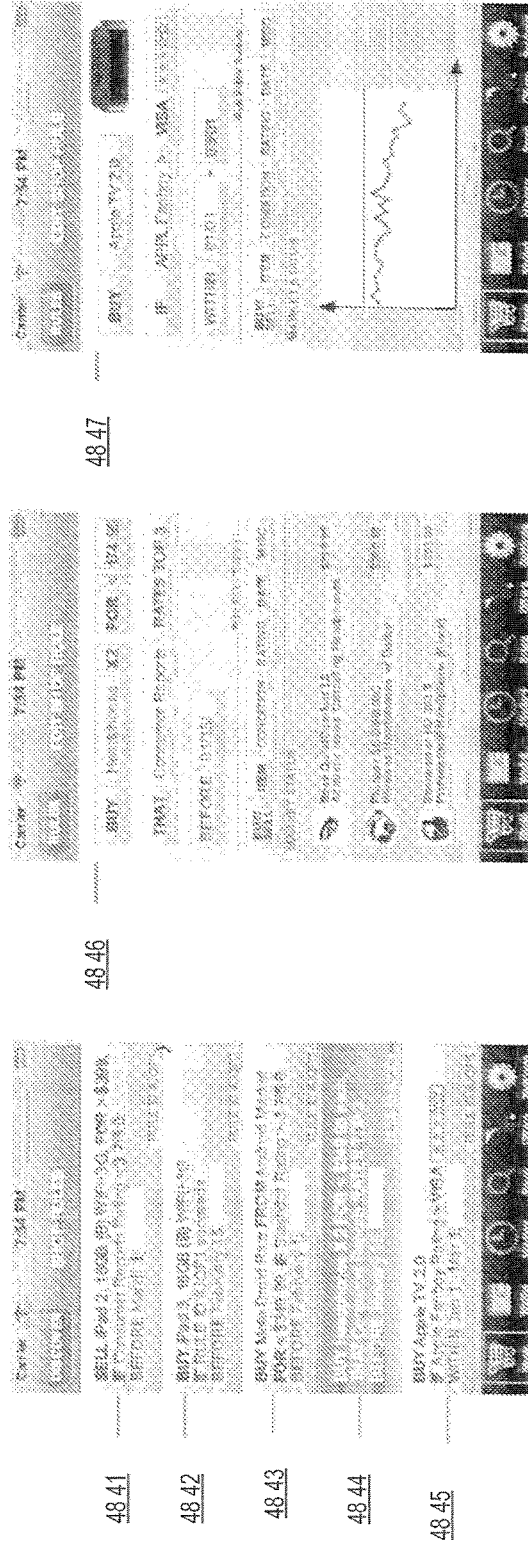


FIGURE 48B

Example: Application Embodiment – Discovery Shopping Mode

Carrier 7:54 PM

DISCOVERY MARKET WATCH

Item	Date	Price	Trend
(A) Acme 2TB HD Acme, Inc. Added Jan 10, 2013	Electronics V New Offers	120 125 130	▲
(B) Acme 1TB HD Acme, Inc. Added Jan 12, 2013	Electronics V New Offers	87 85	▲
(C) Acme 500GB HD Acme, Inc. Added Jan 11, 2013	Electronics V New Offers	72 65	▲
(D) Acme 250GB HD Acme, Inc. Added Jan 11, 2013	Electronics V New Offers	59 52	▲
(E) Acme 64GB SSD Acme, Inc. Added Jan 11, 2013 PURCHASED	Electronics V New Offers	124 113 115	▲

FIGURE 48C

Example: Application Embodiment – Discovery Shopping Mode

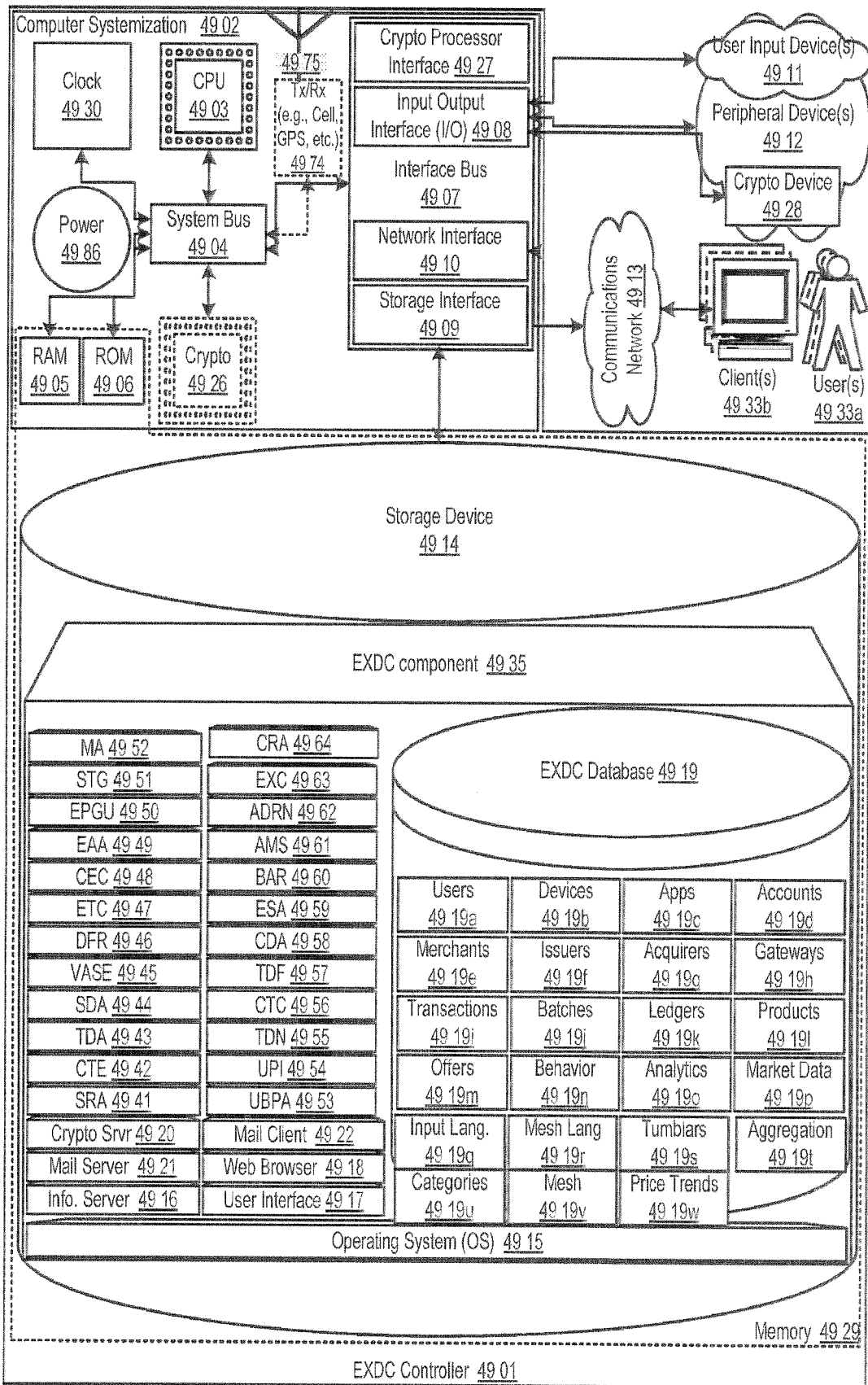


Figure 49