

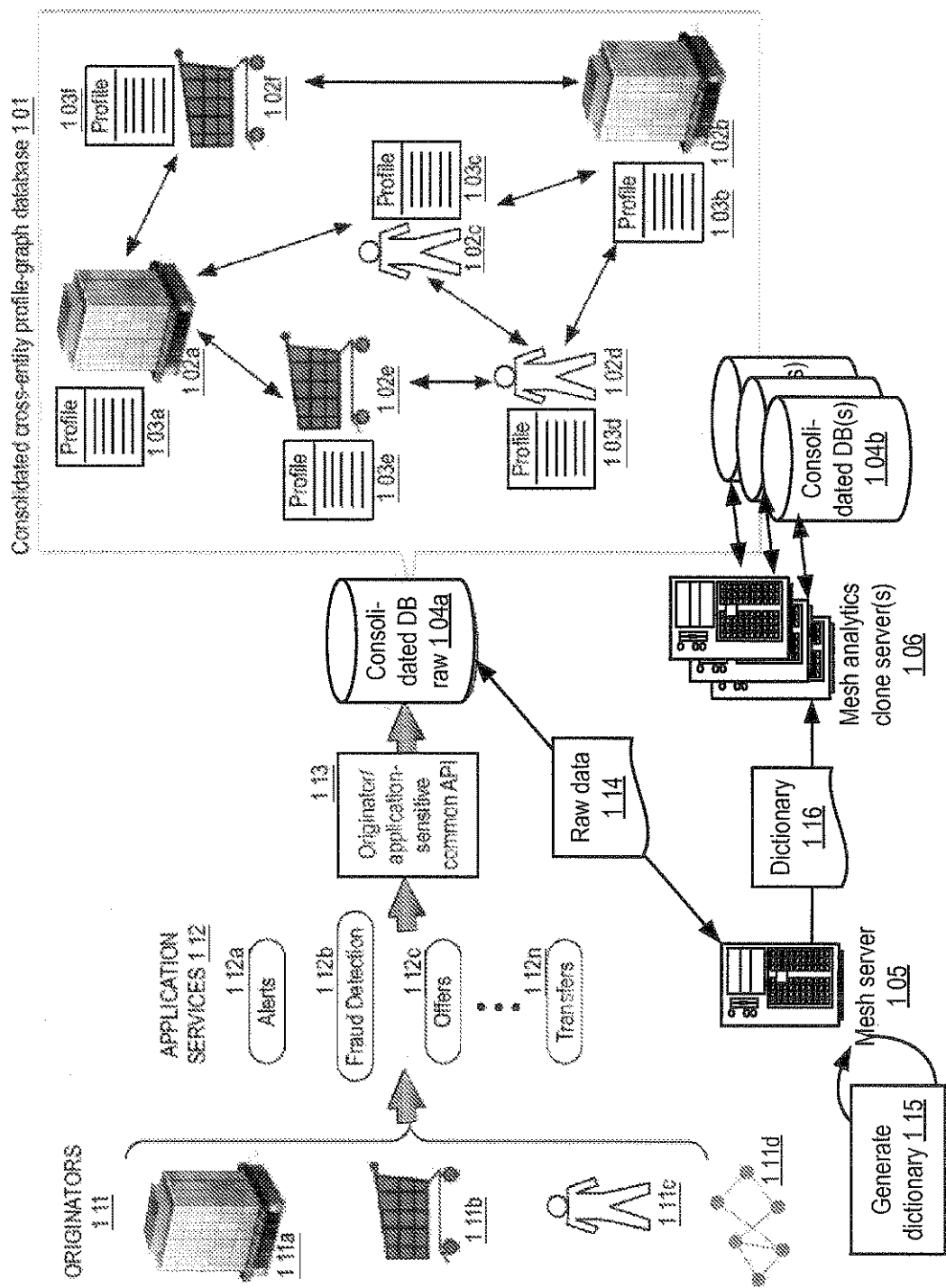


FIGURE 1

Example: User Service Usage Attributes Data Model

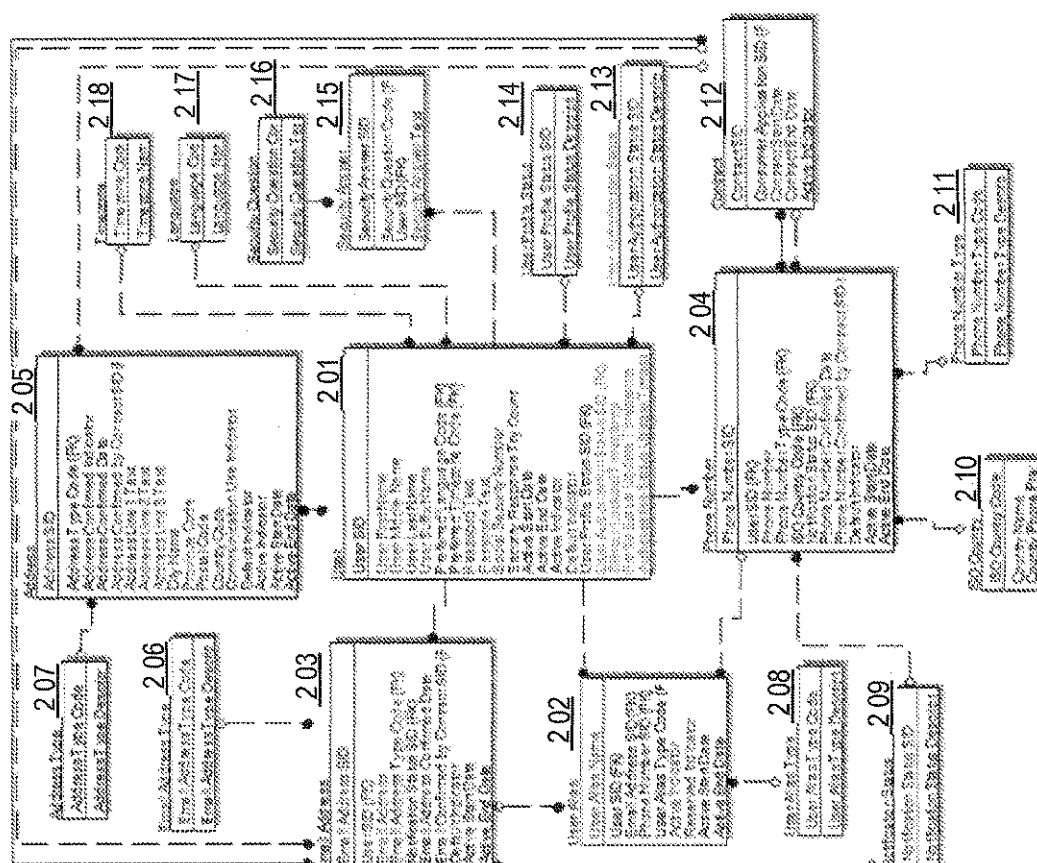


FIGURE 2A

Example: User Profile Attributes Data Model

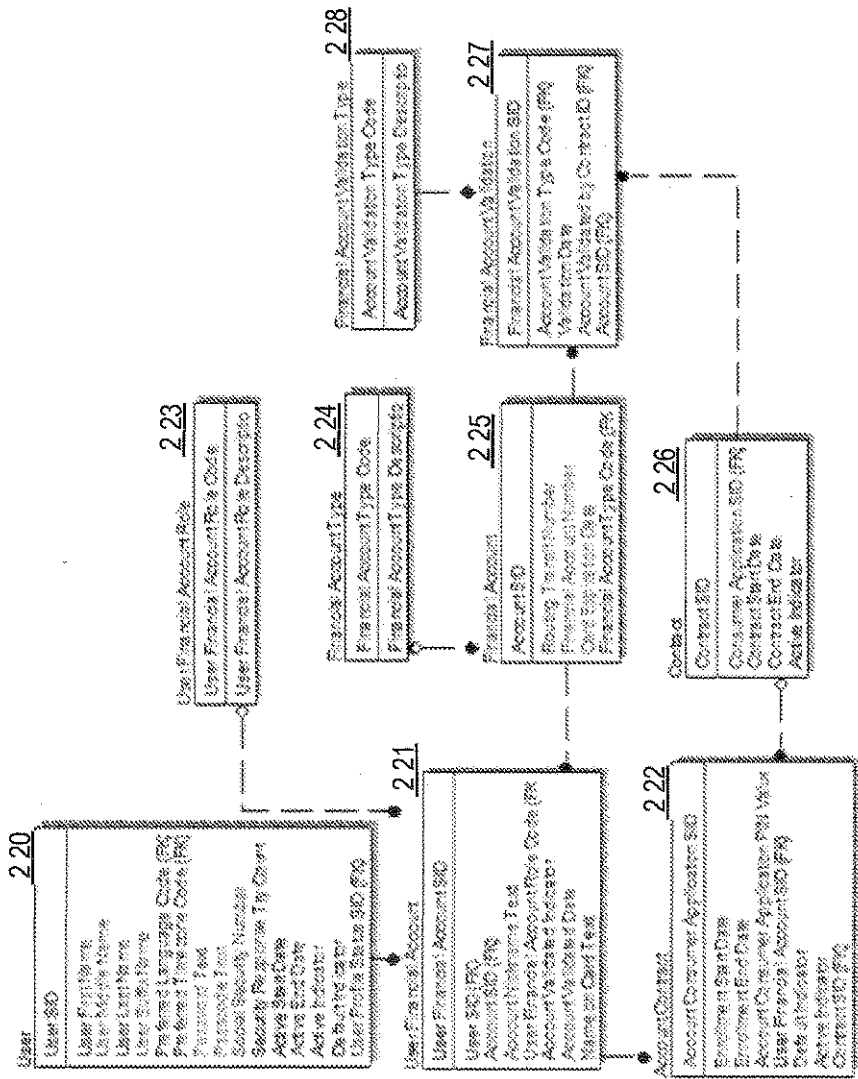


FIGURE 2B

Example: User Profile Attributes Data Model

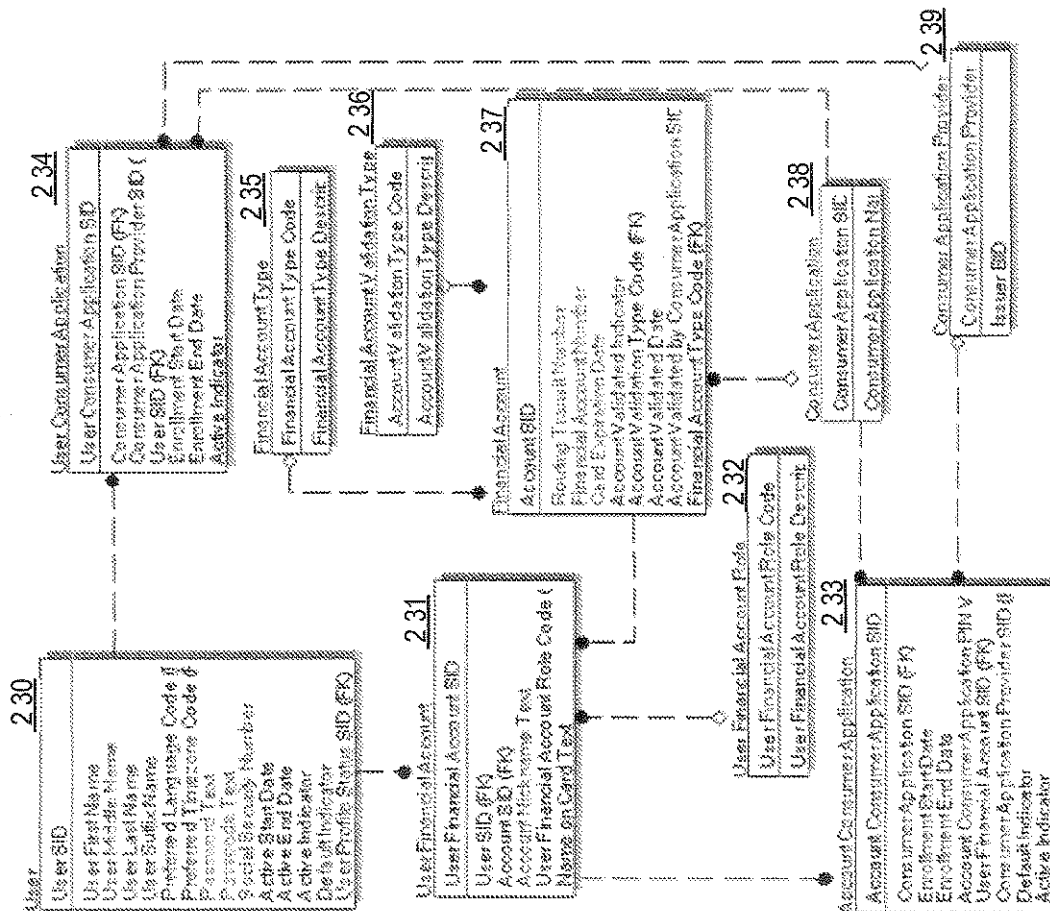


FIGURE 2C

Example: User Profile Attributes Data Model

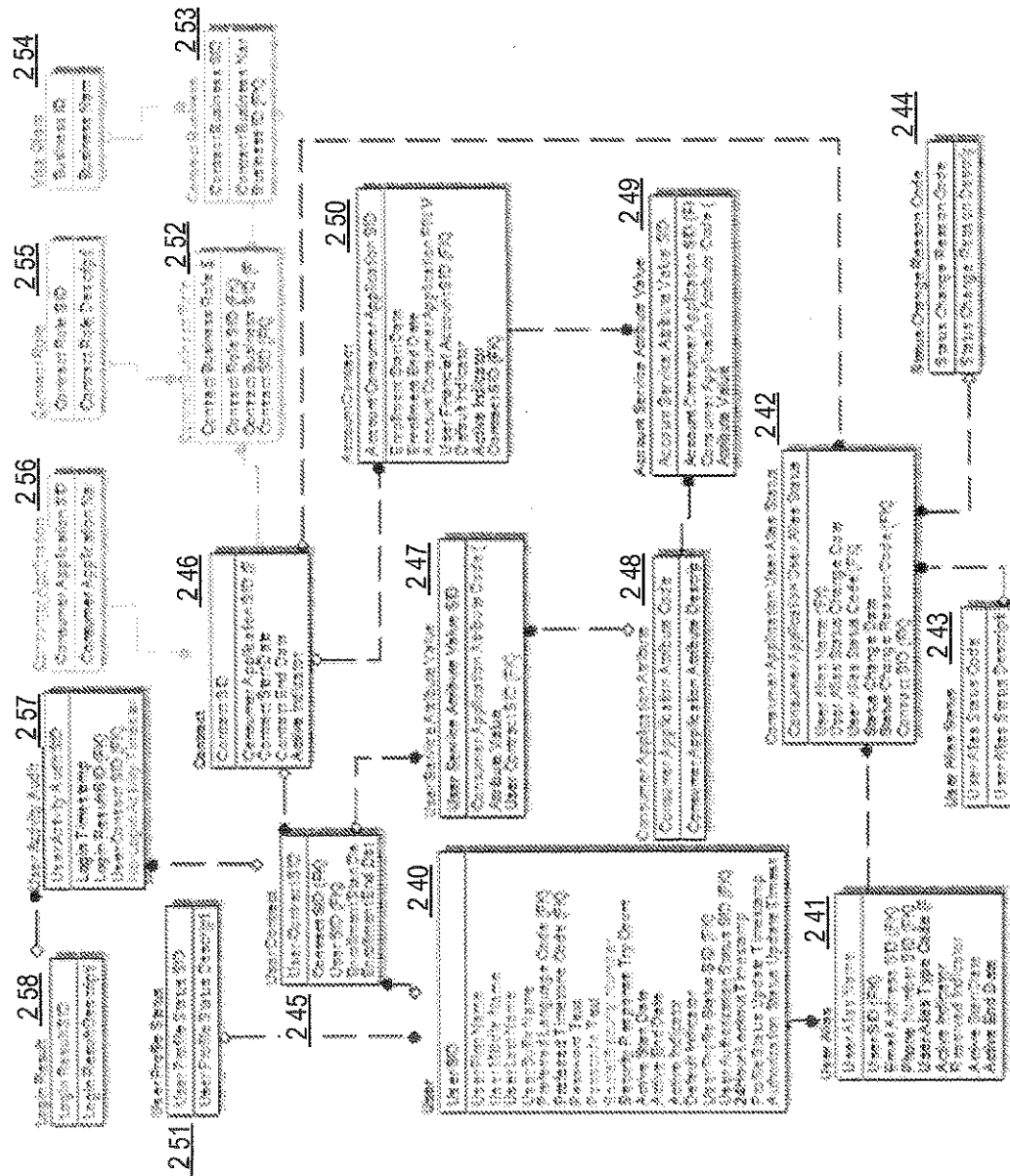


FIGURE 2D

Example: User Profile Attributes Data Model

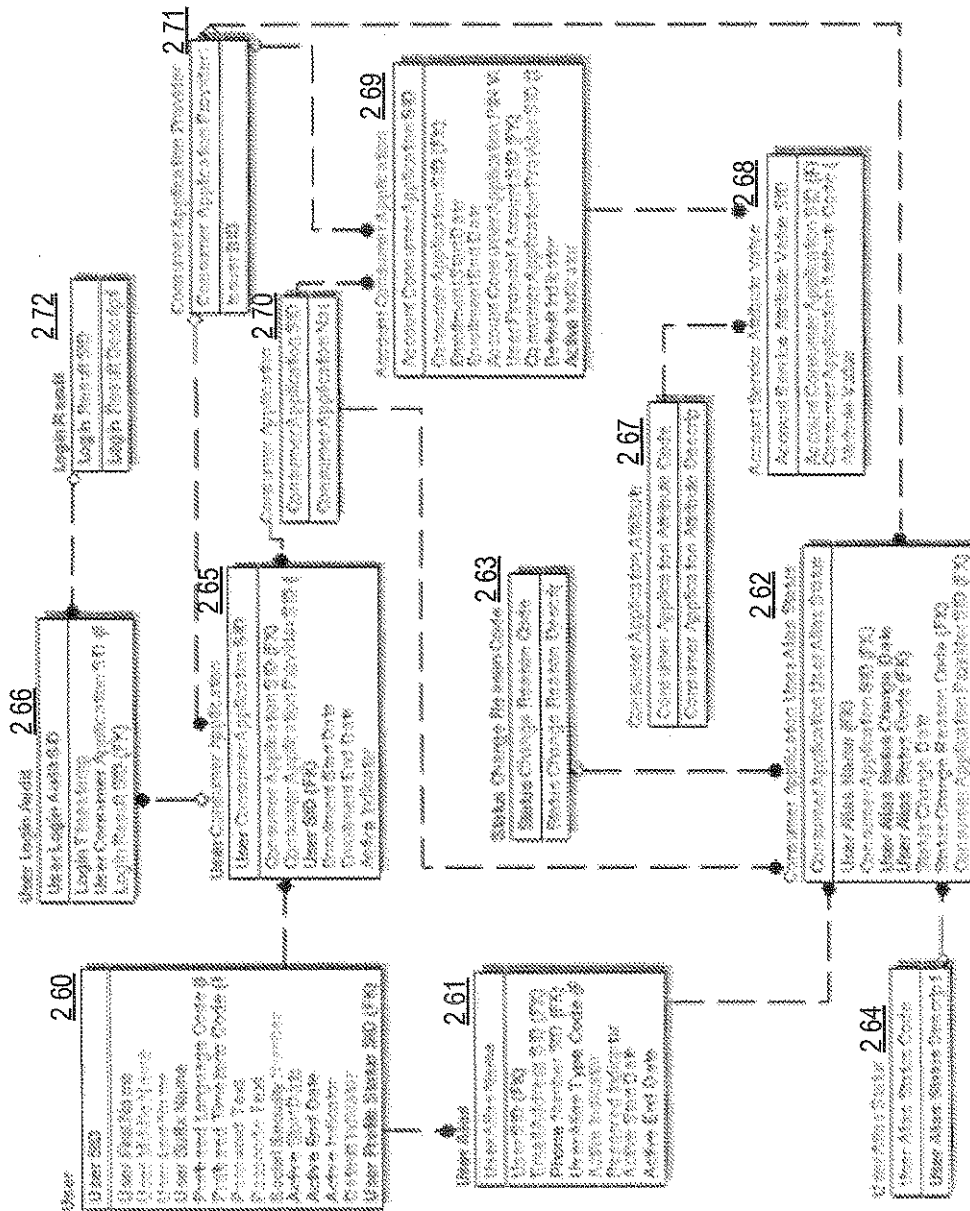


FIGURE 2E

Example: User Service Usage Attributes Data Model

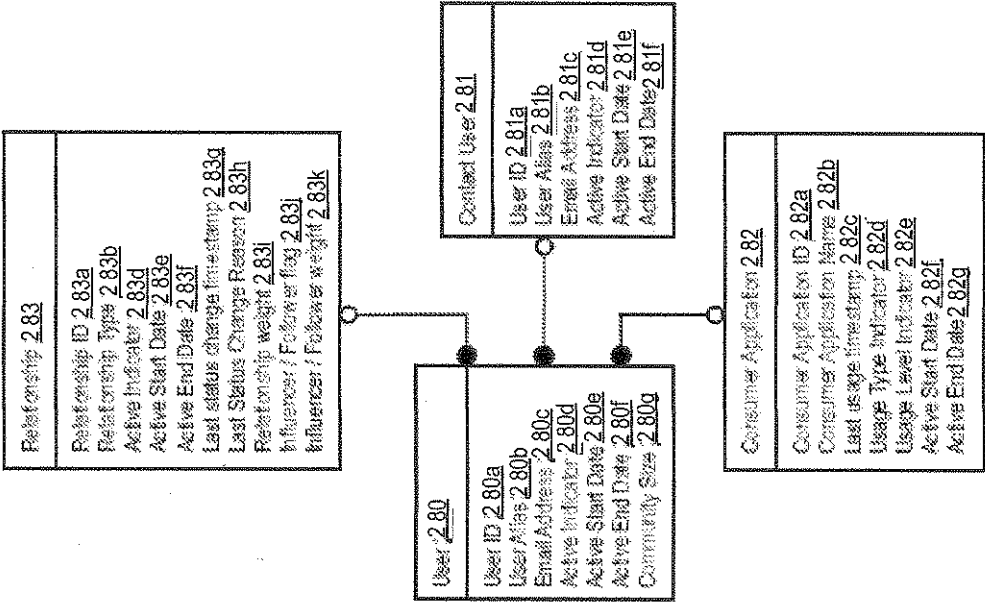


FIGURE 2F

Example: User Profile Attributes Data Model

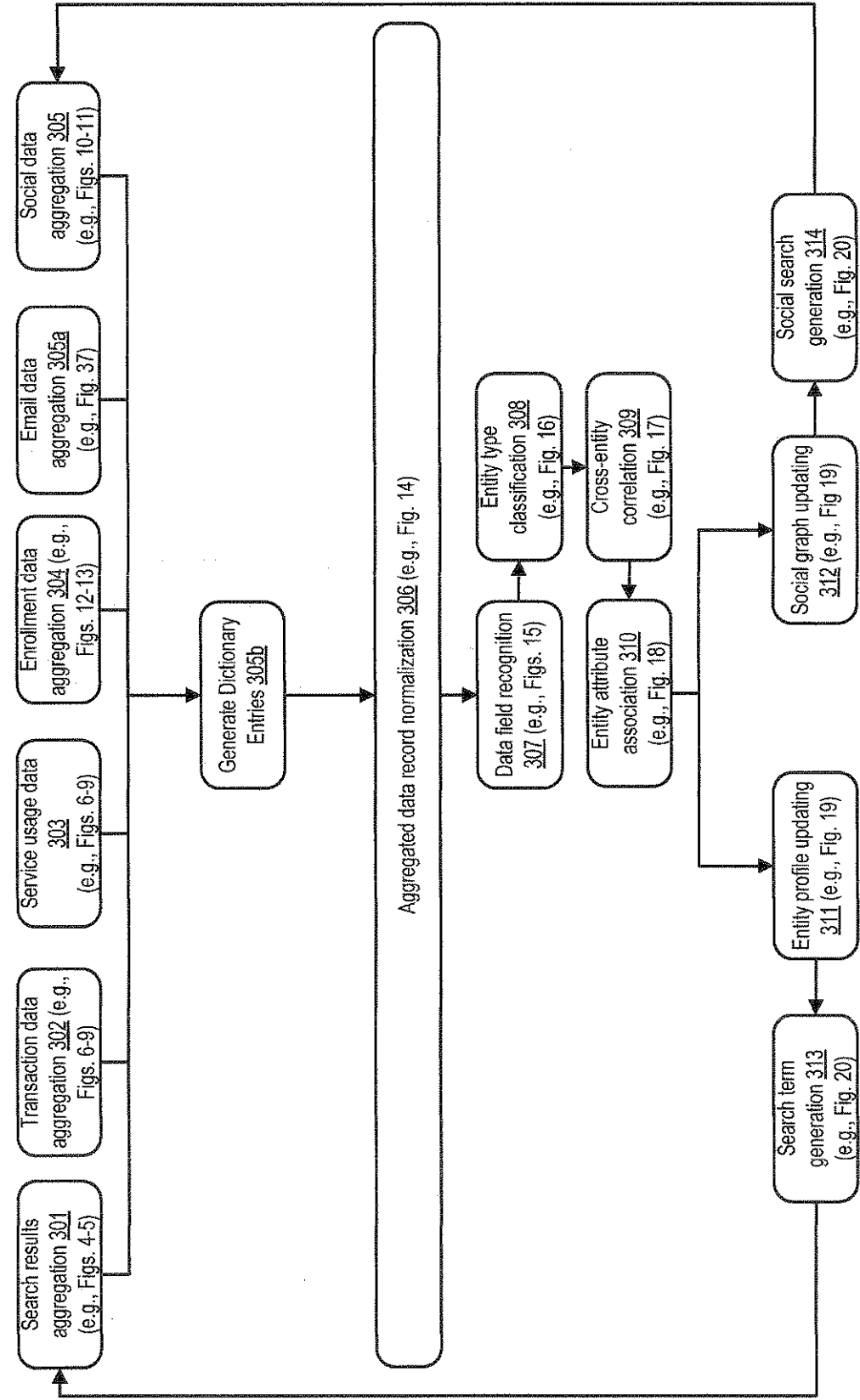
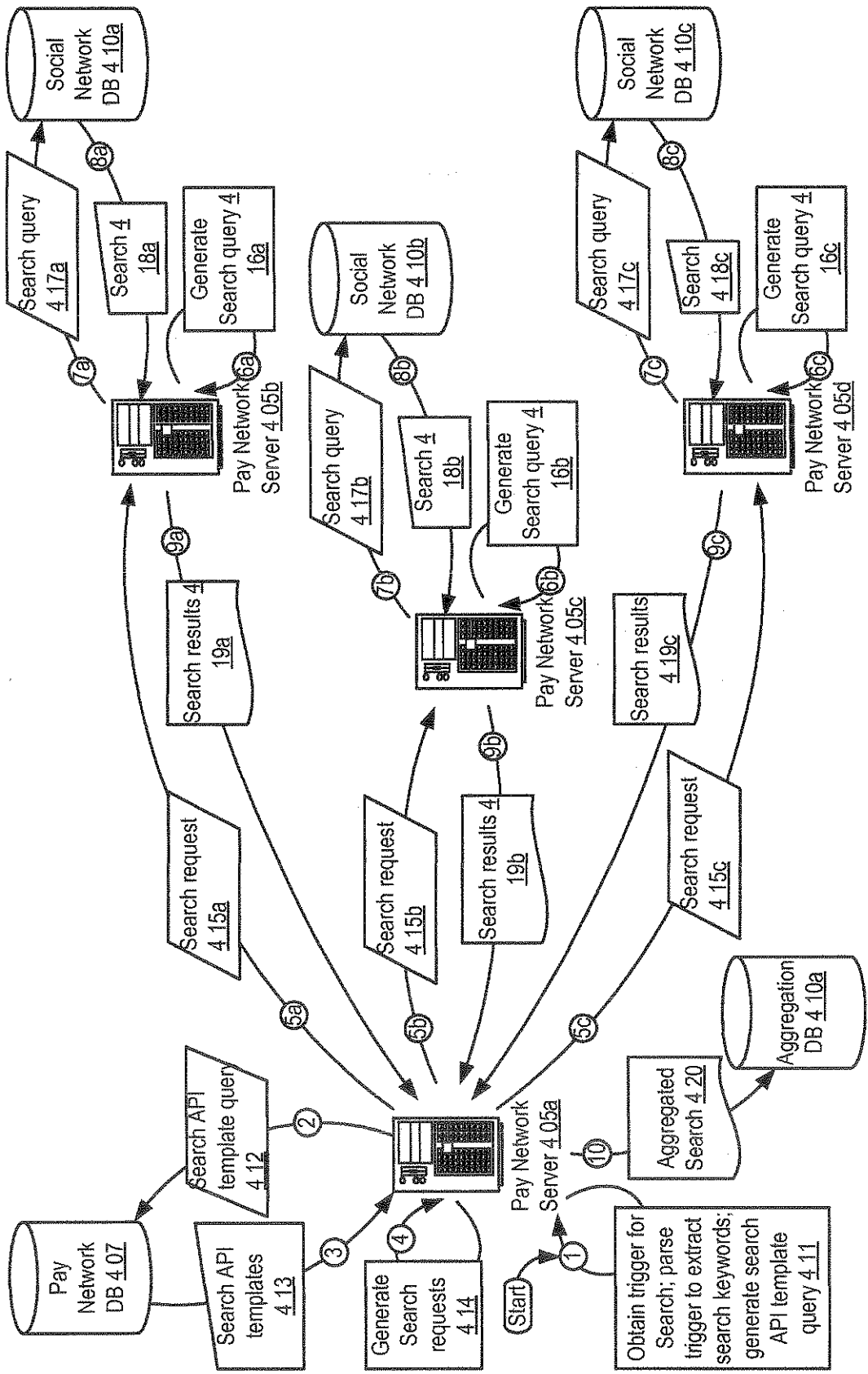


FIGURE 3 Example: Centralized Personal Information Platform Components



Example: Search Results Aggregation

FIGURE 4

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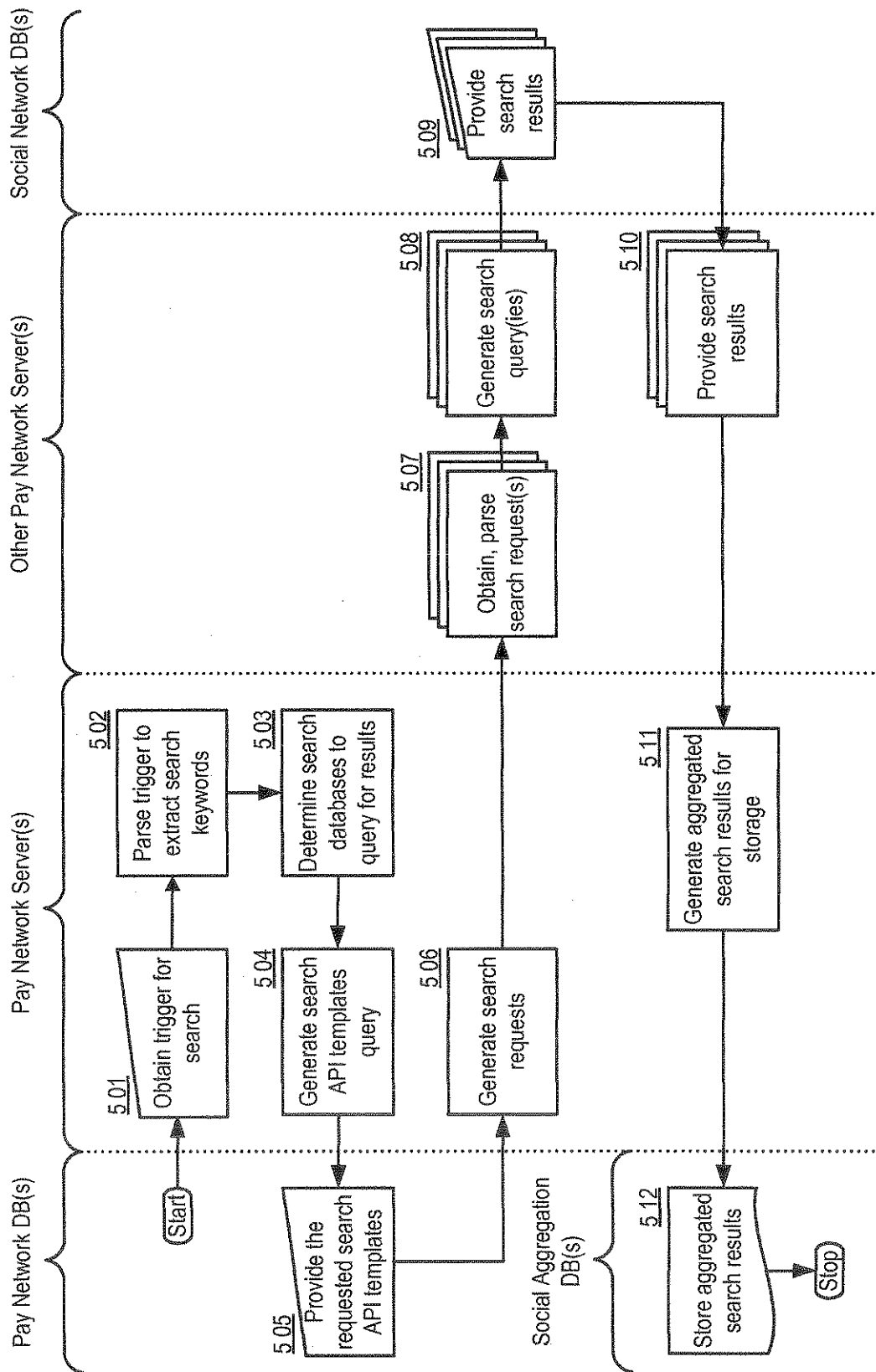


FIGURE 5 Example: Search Results Aggregation ("SRA") component 500

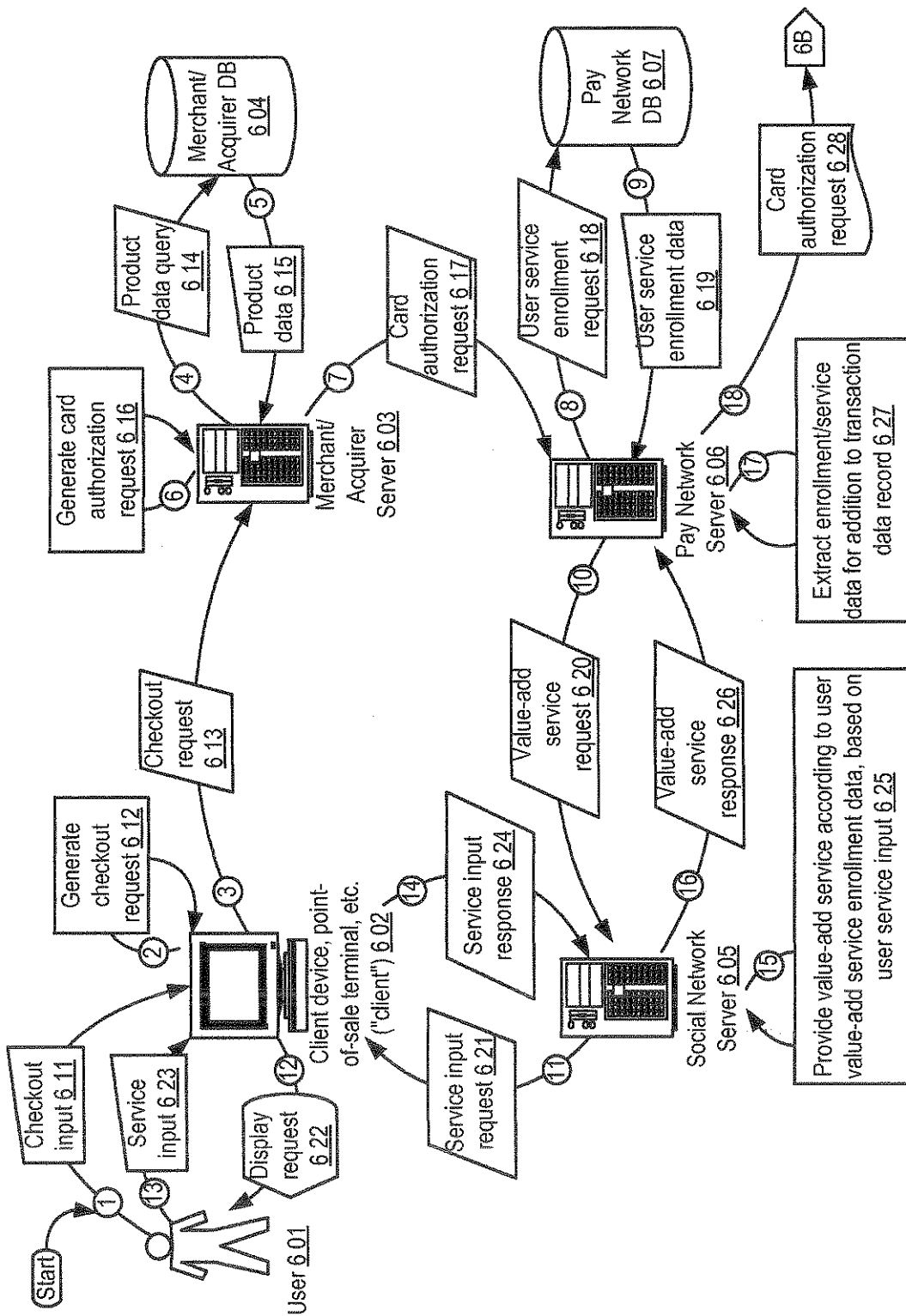


FIGURE 6A

Example: Card-Based Transaction Execution

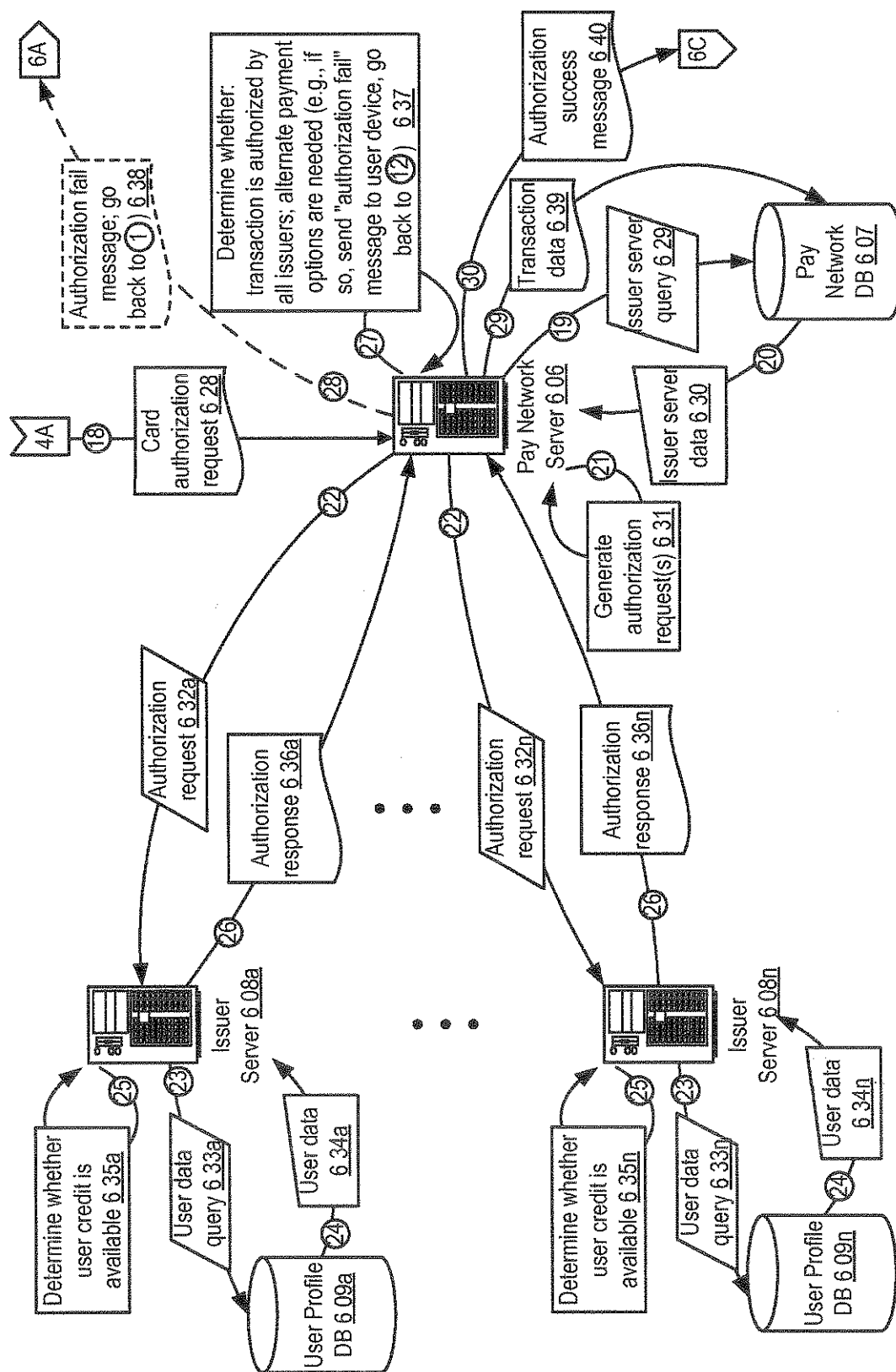


FIGURE 6B

Example: Card-Based Transaction Execution

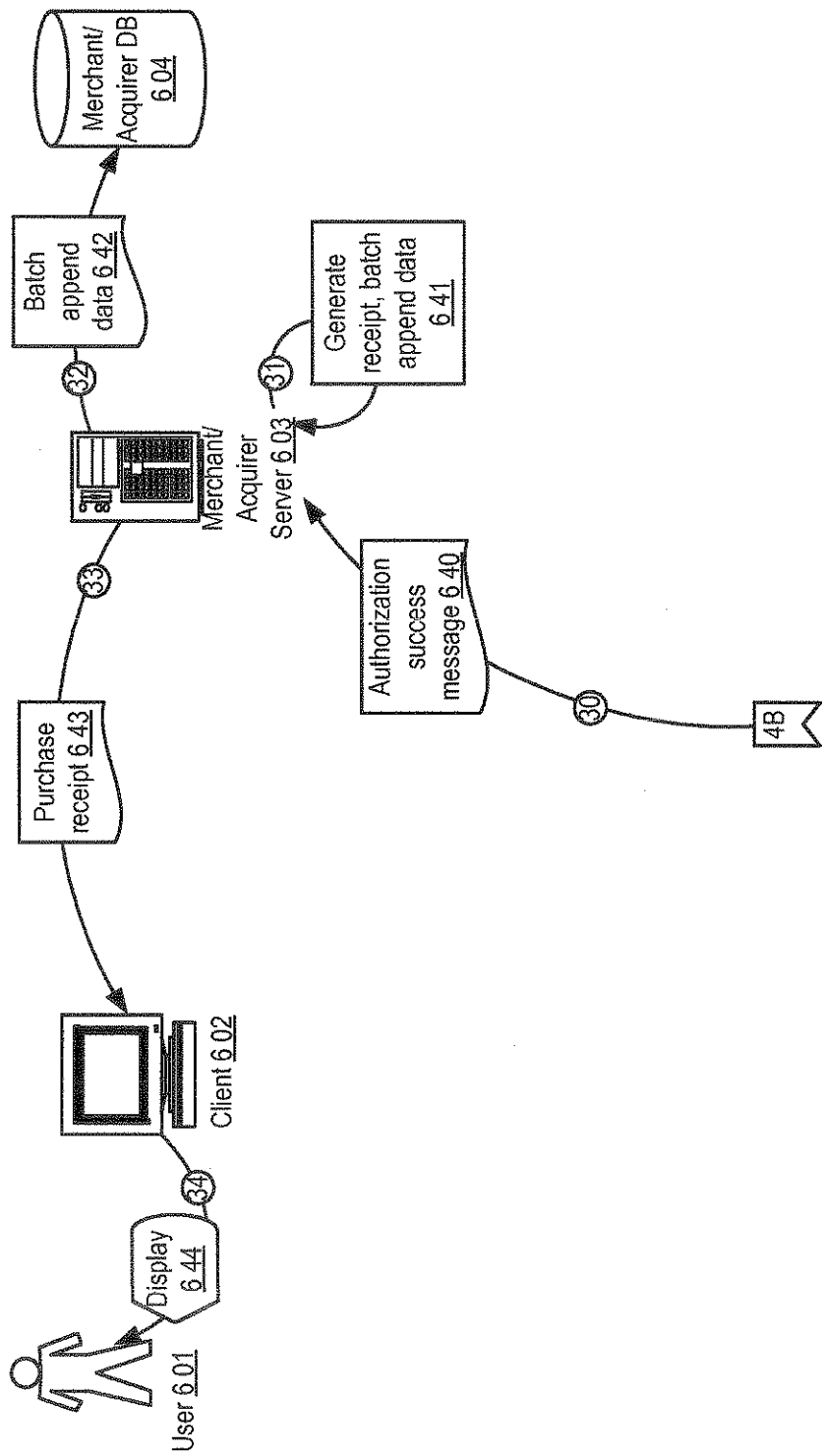


FIGURE 6C

Example: Card-Based Transaction Execution

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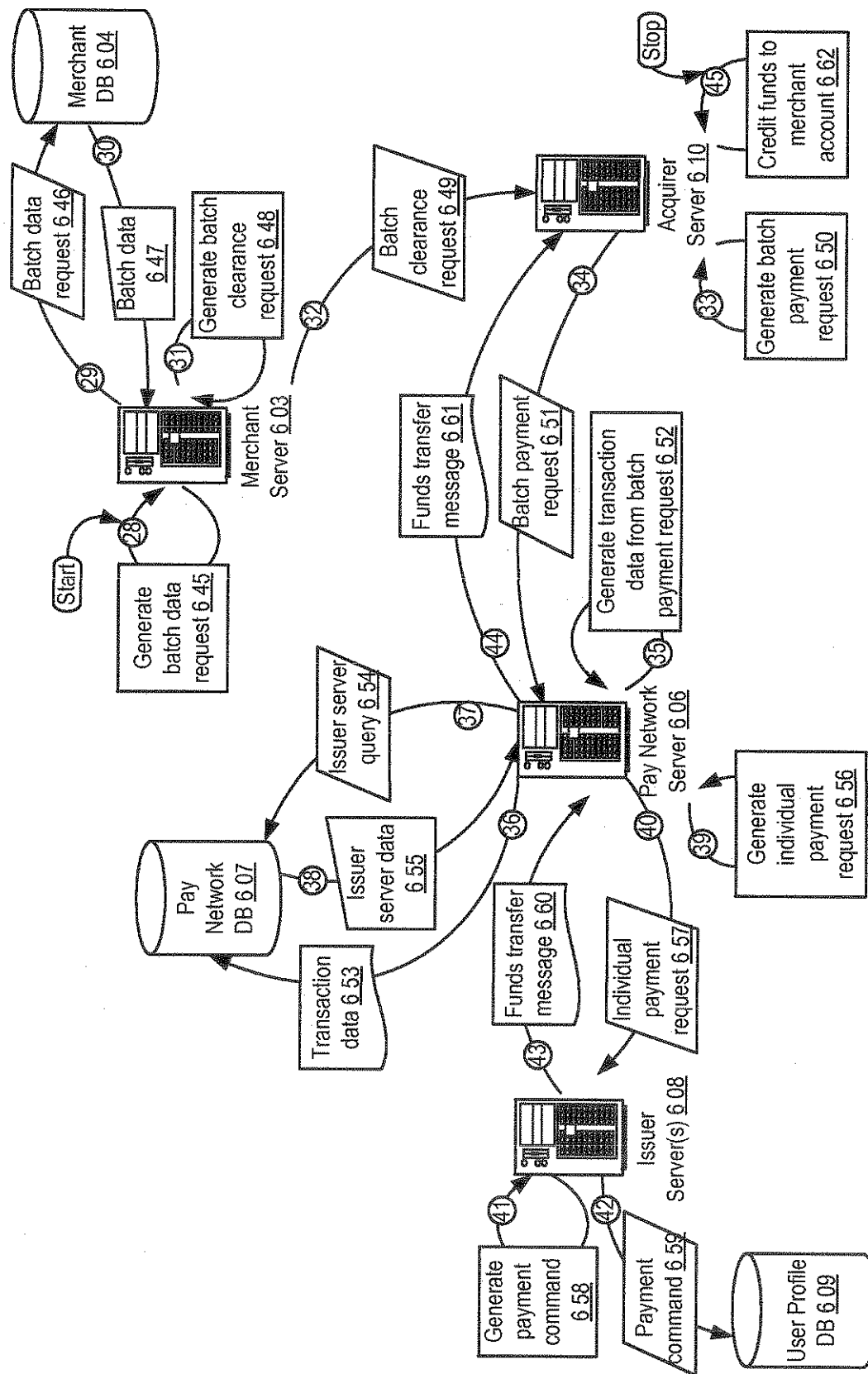


FIGURE 6D

Example: Card-Based Transaction Execution

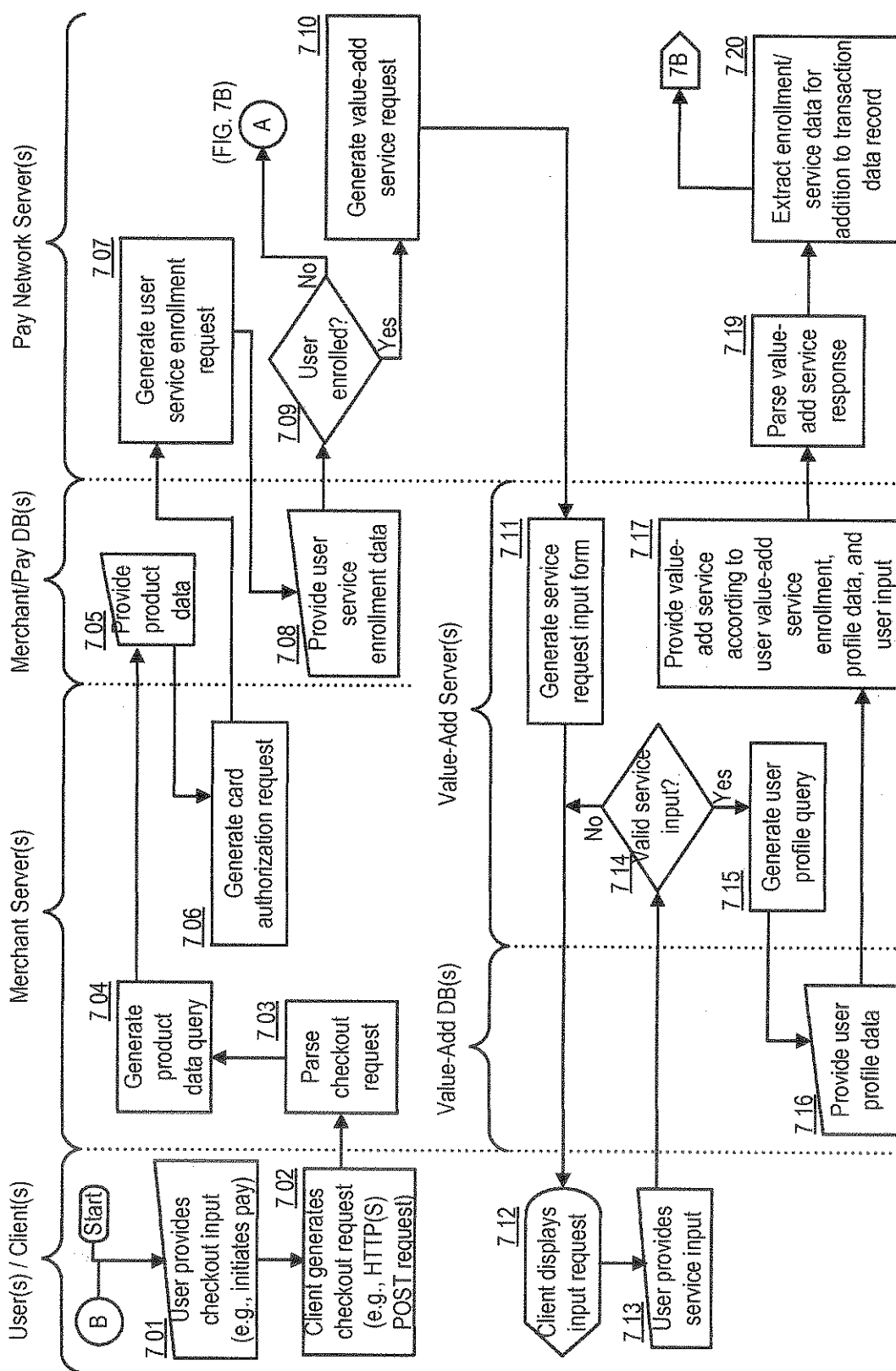


FIGURE 7A

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

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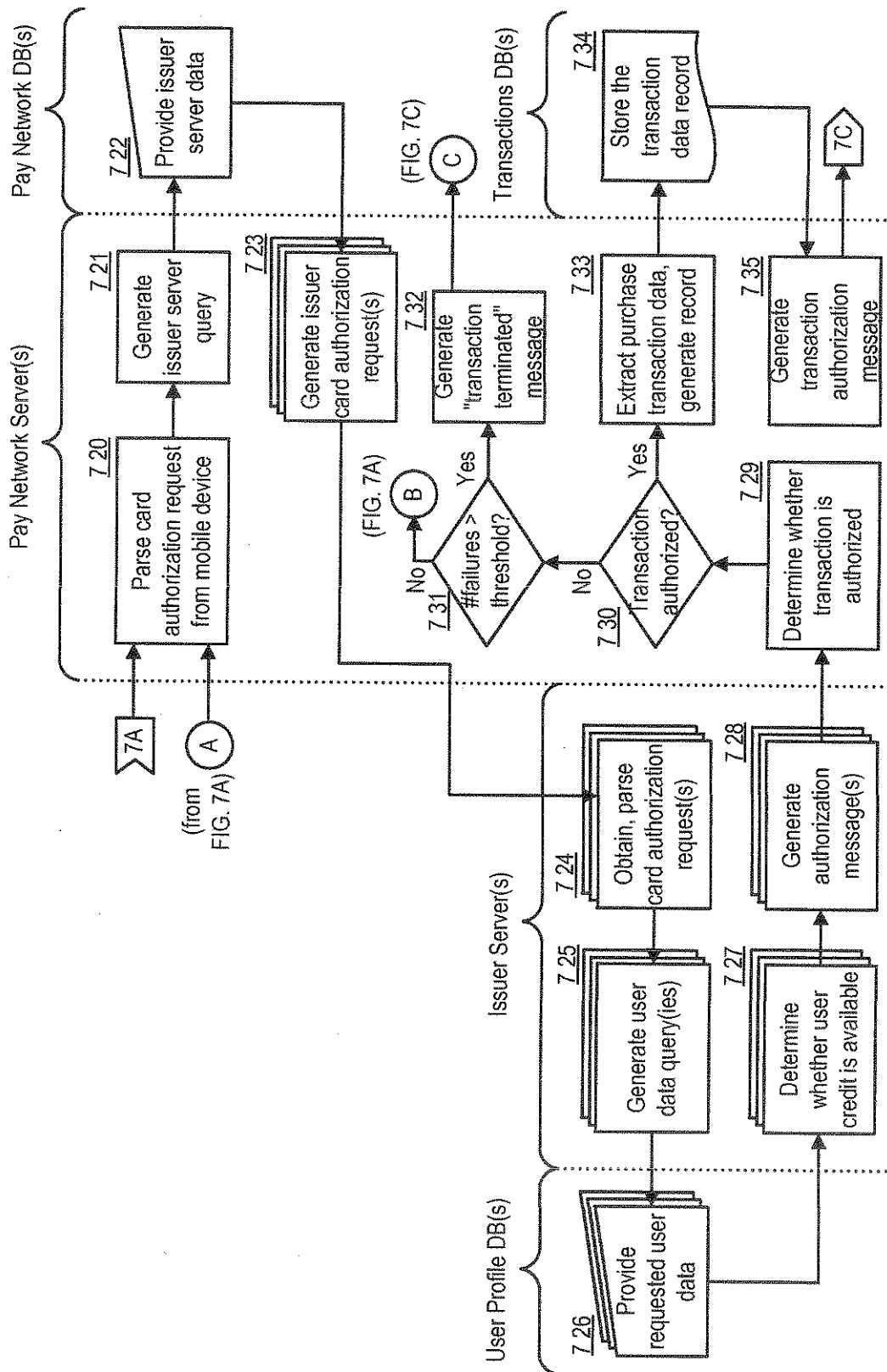


FIGURE 7B
Example: Card-Based Transaction Execution ("CTE") component 700

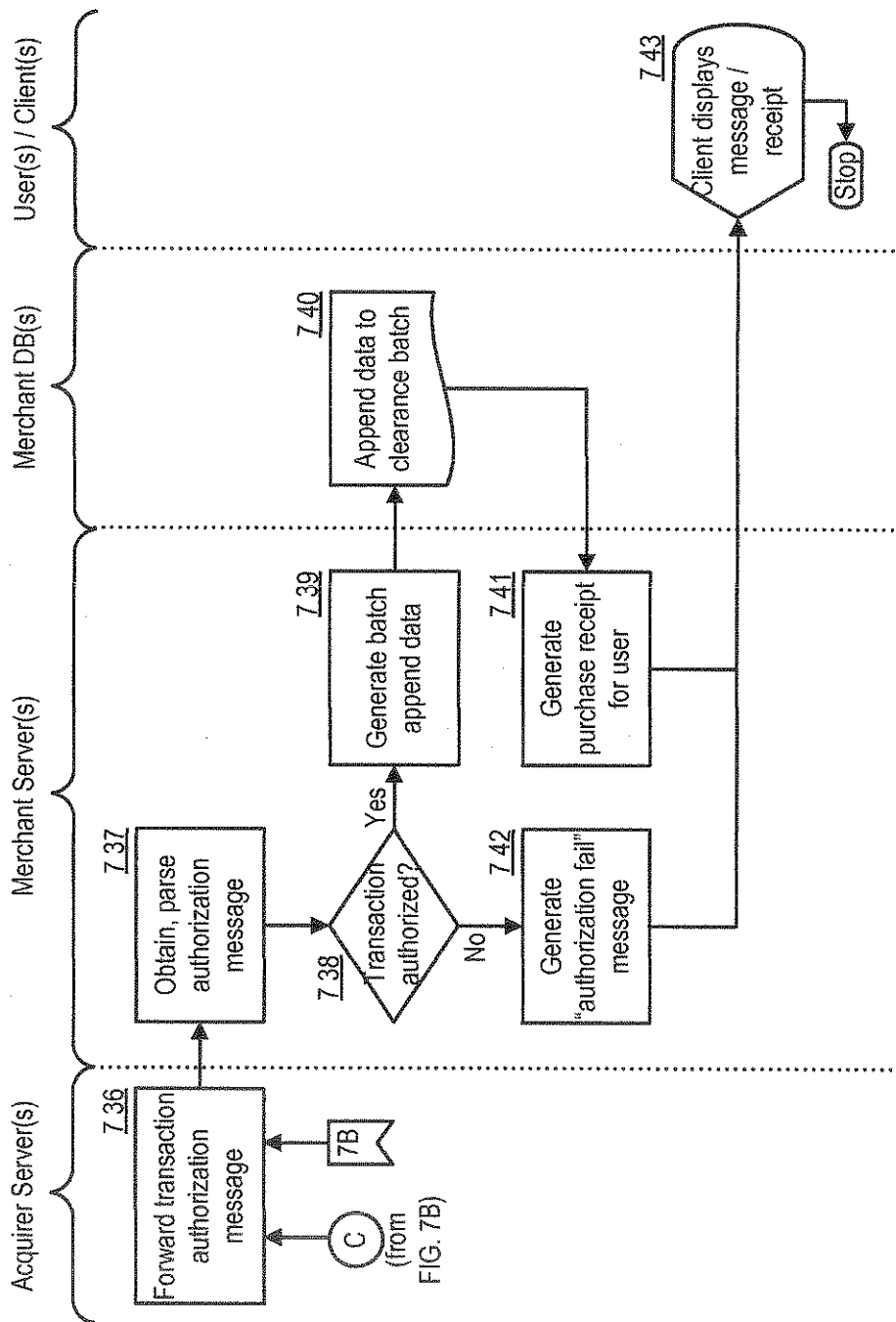
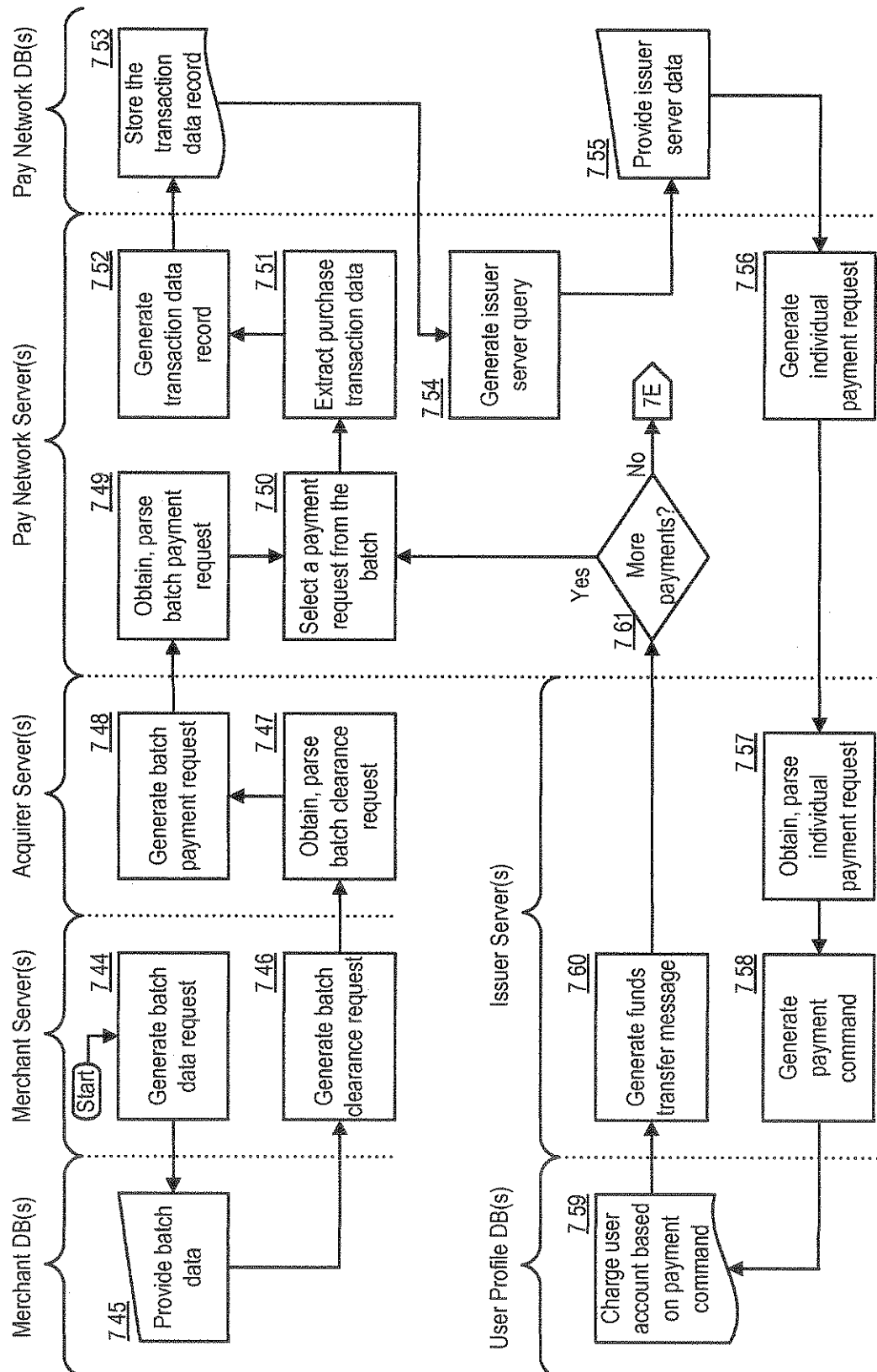


FIGURE 7C

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



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

FIGURE 7D

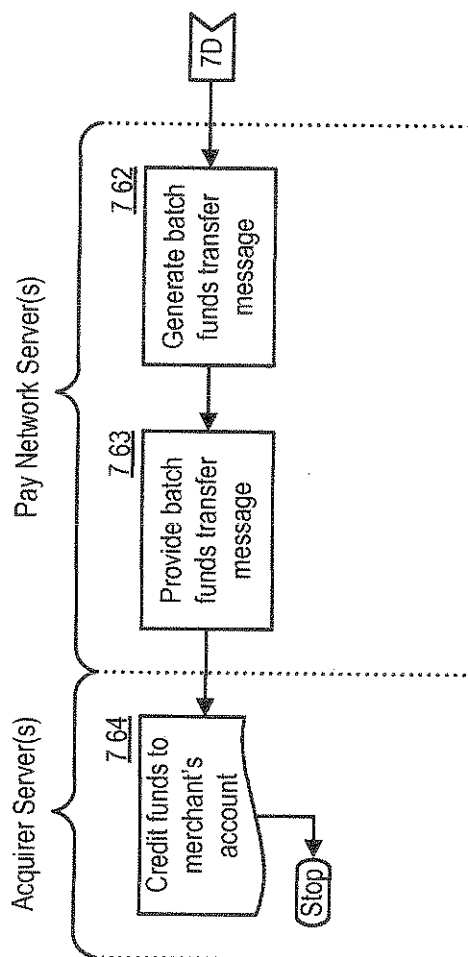


FIGURE 7E

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

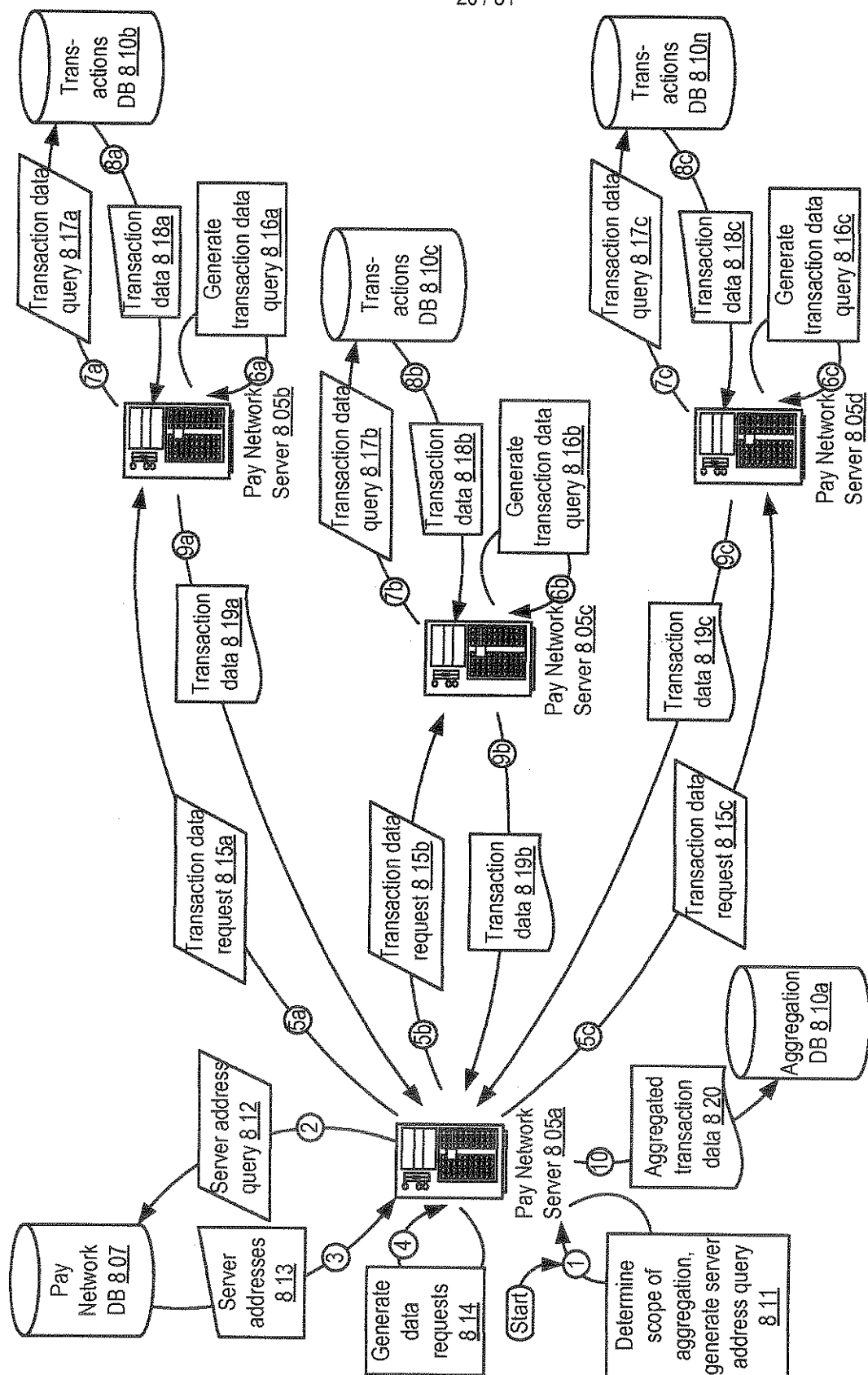


FIGURE 8

Example: Transaction Data Aggregation

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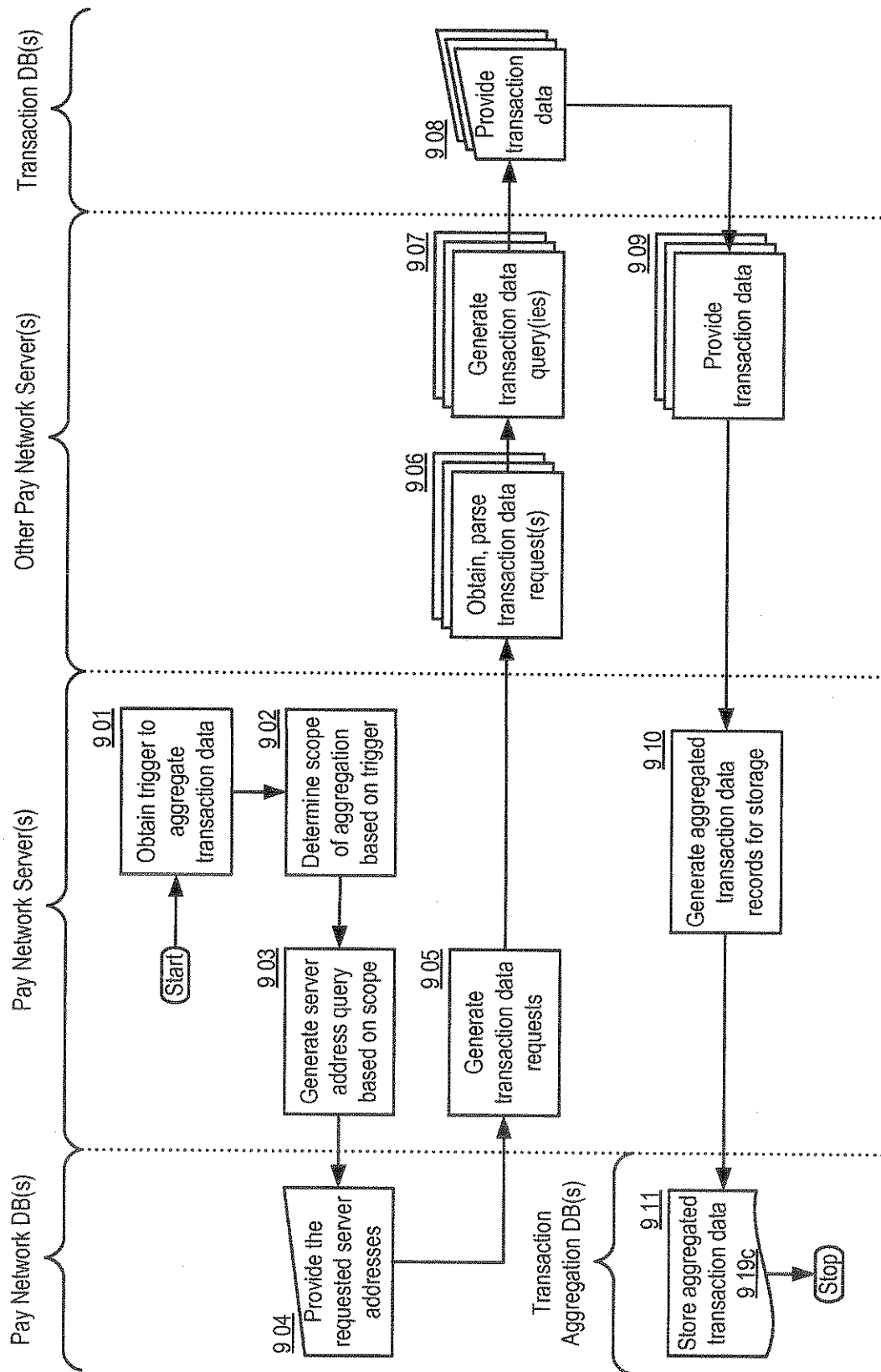


FIGURE 9
Example: Transaction Data Aggregation (TDA) component 600

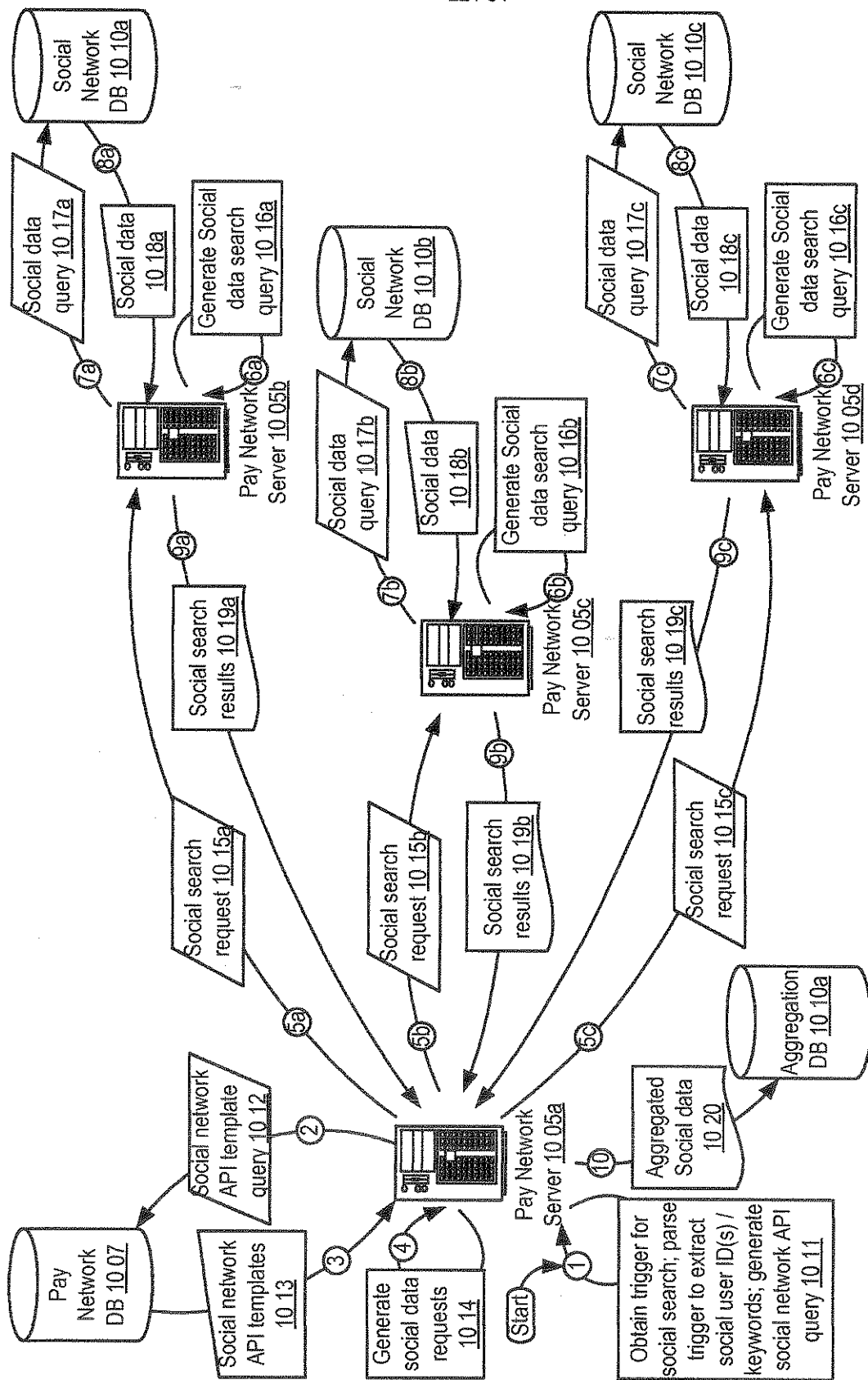
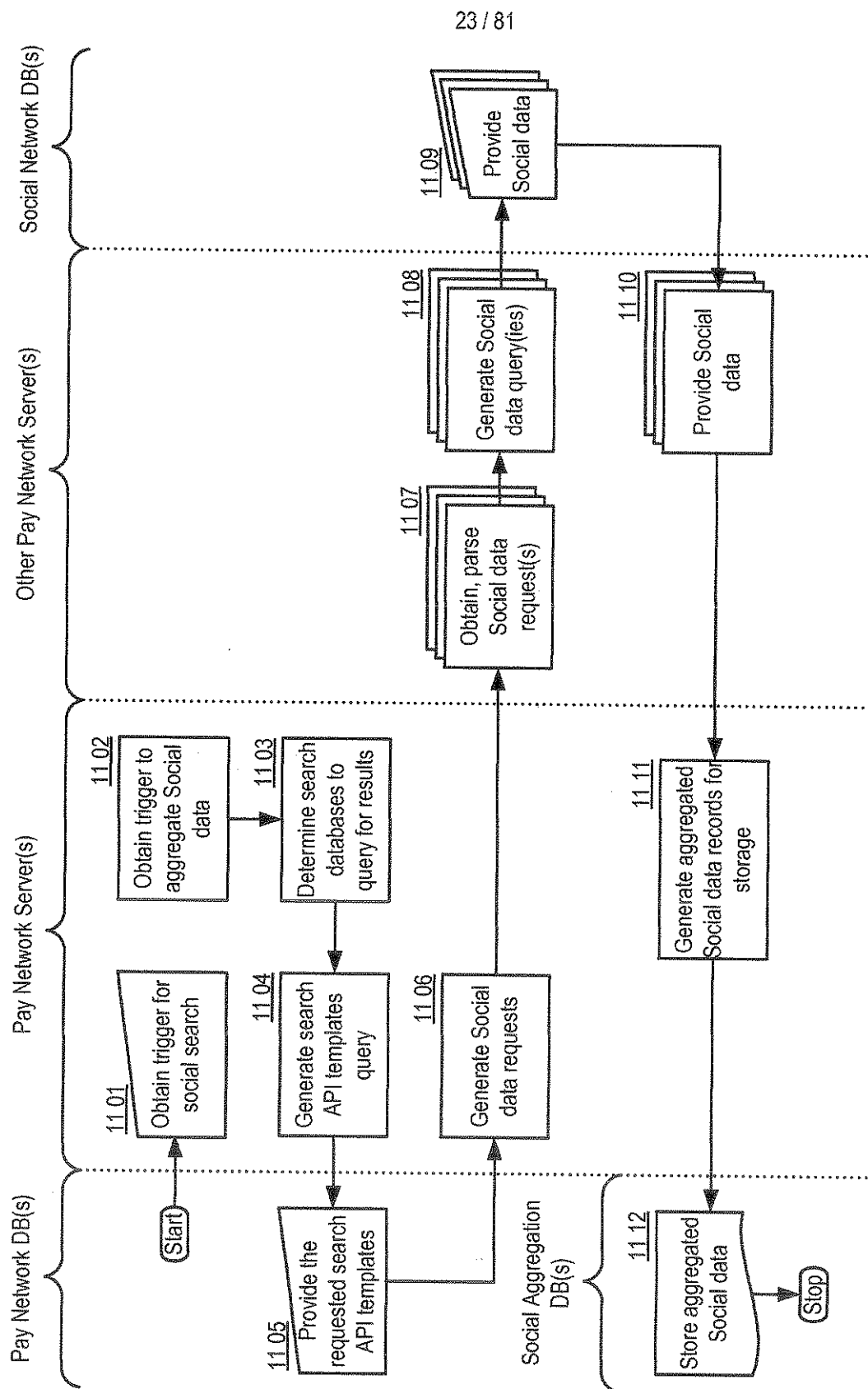


FIGURE 10

Example: Social Data Aggregation

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

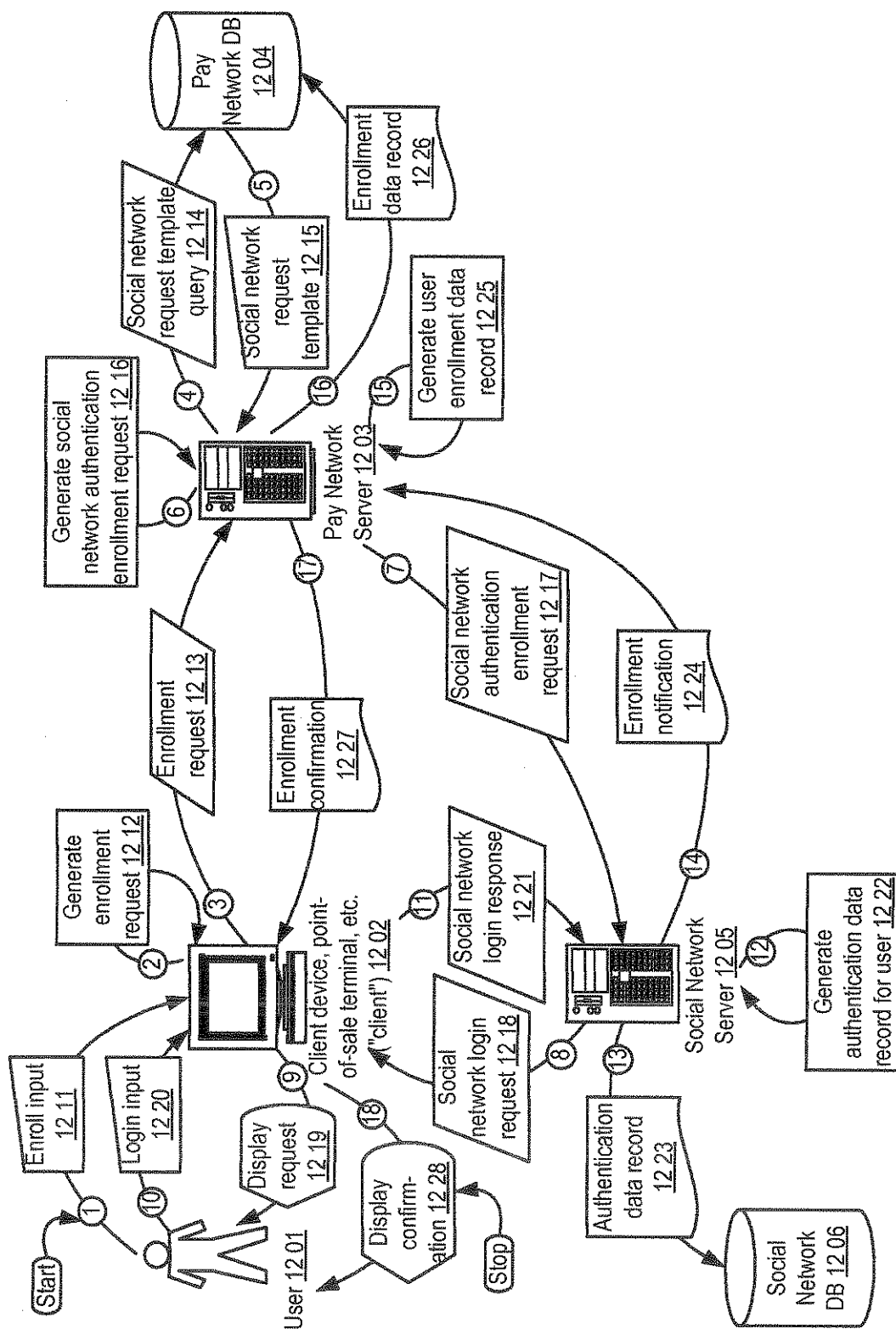


FIGURE 12

Example: Value-Add Service Enrollment

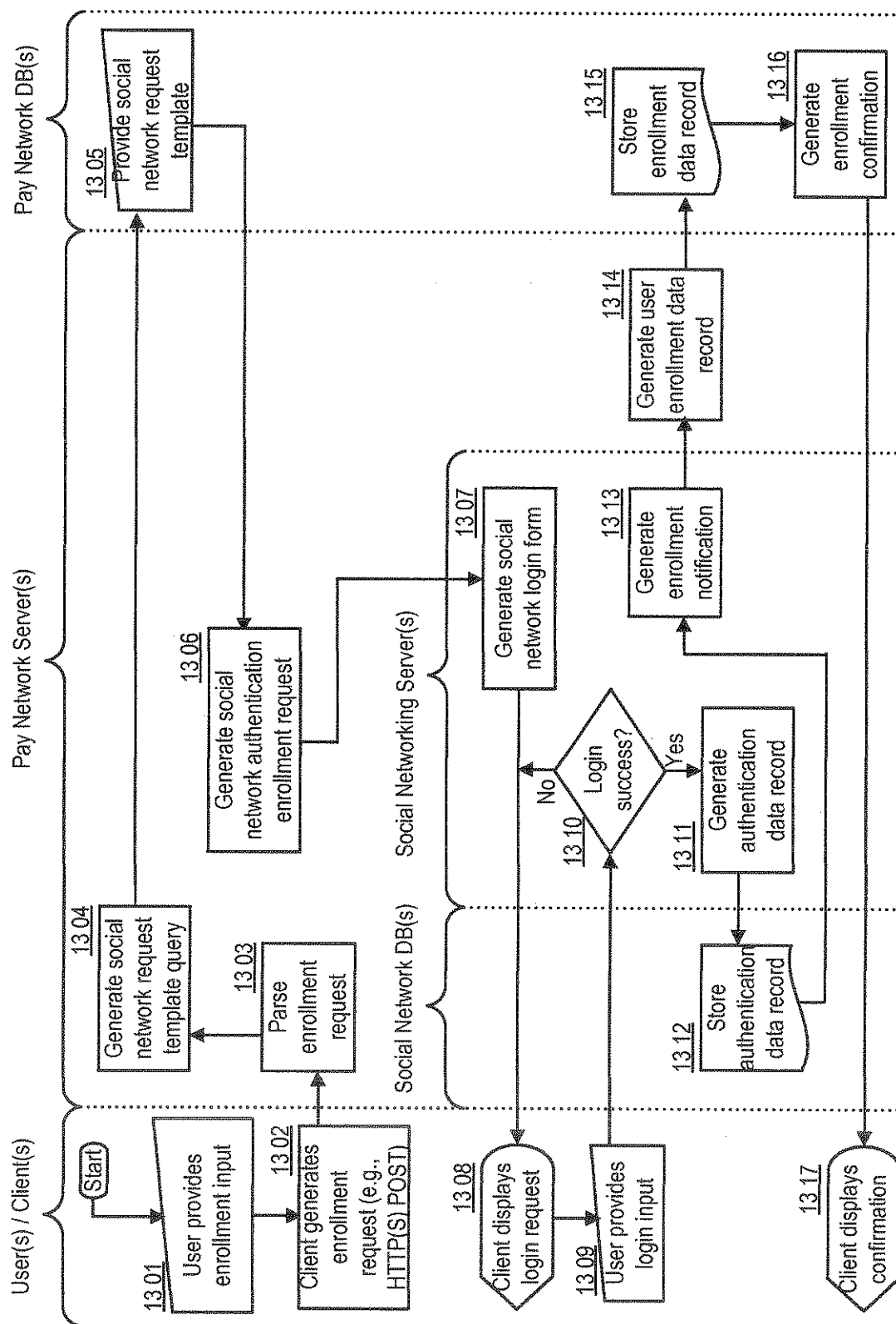


FIGURE 13

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

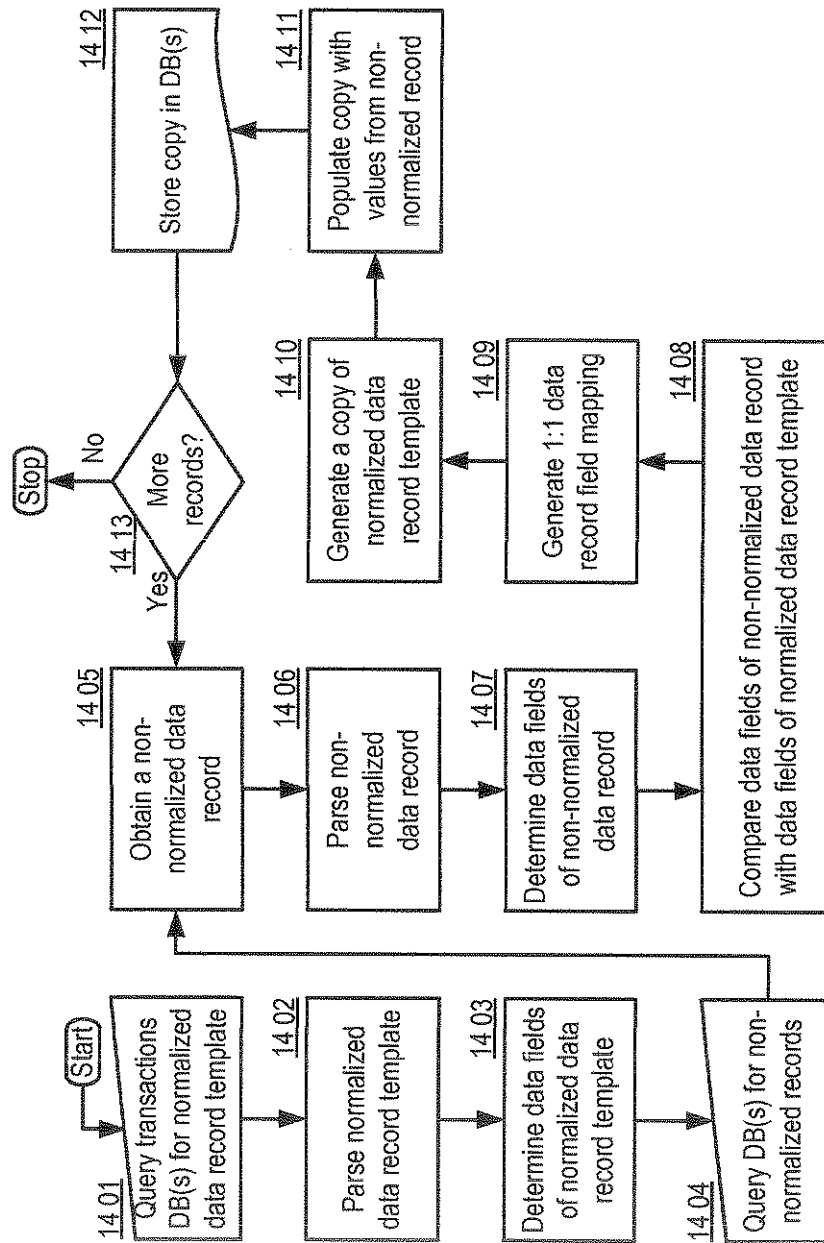


FIGURE 14A Example: Aggregated Data Record Normalization ("ADRN") component 1400

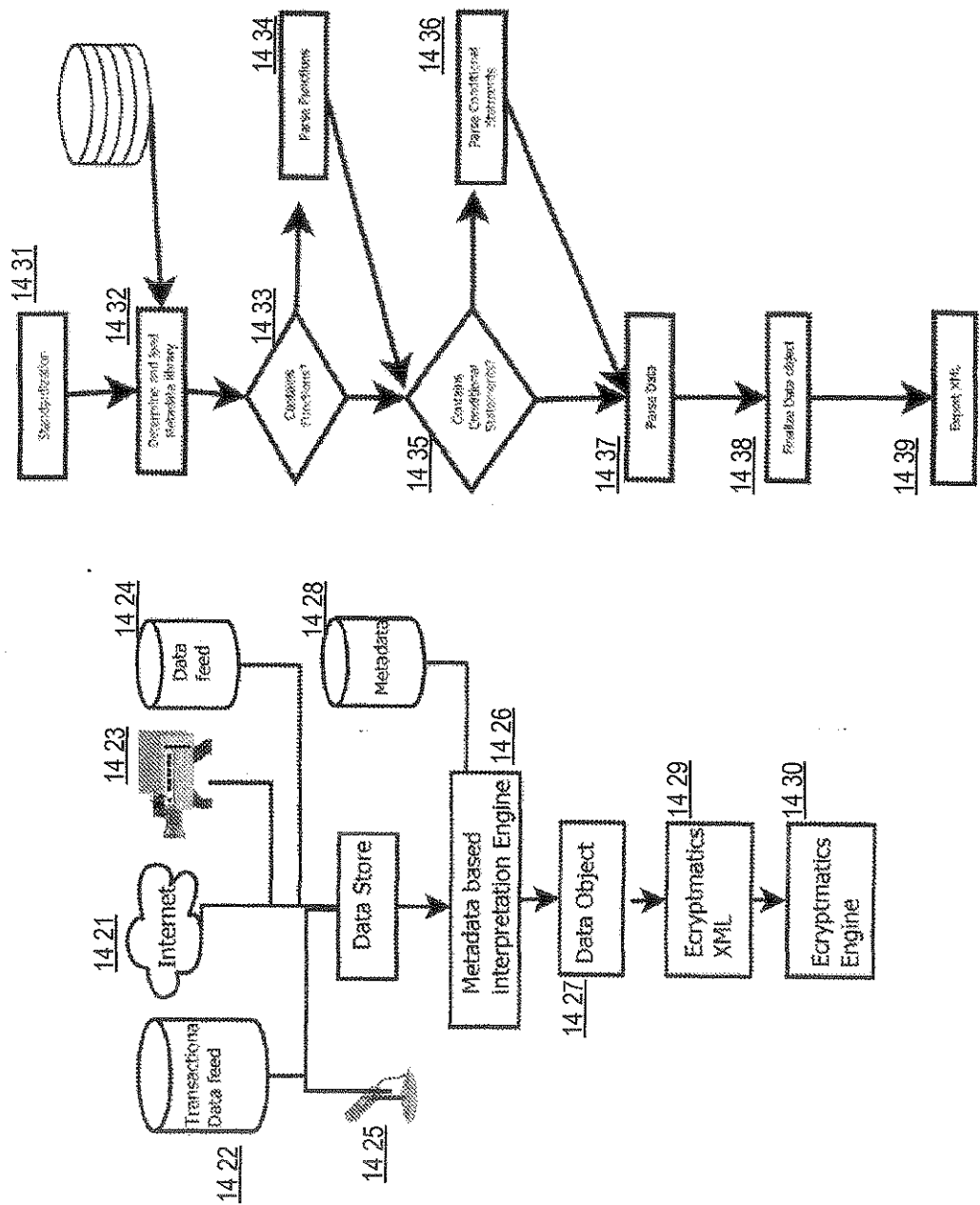


FIGURE 14B

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

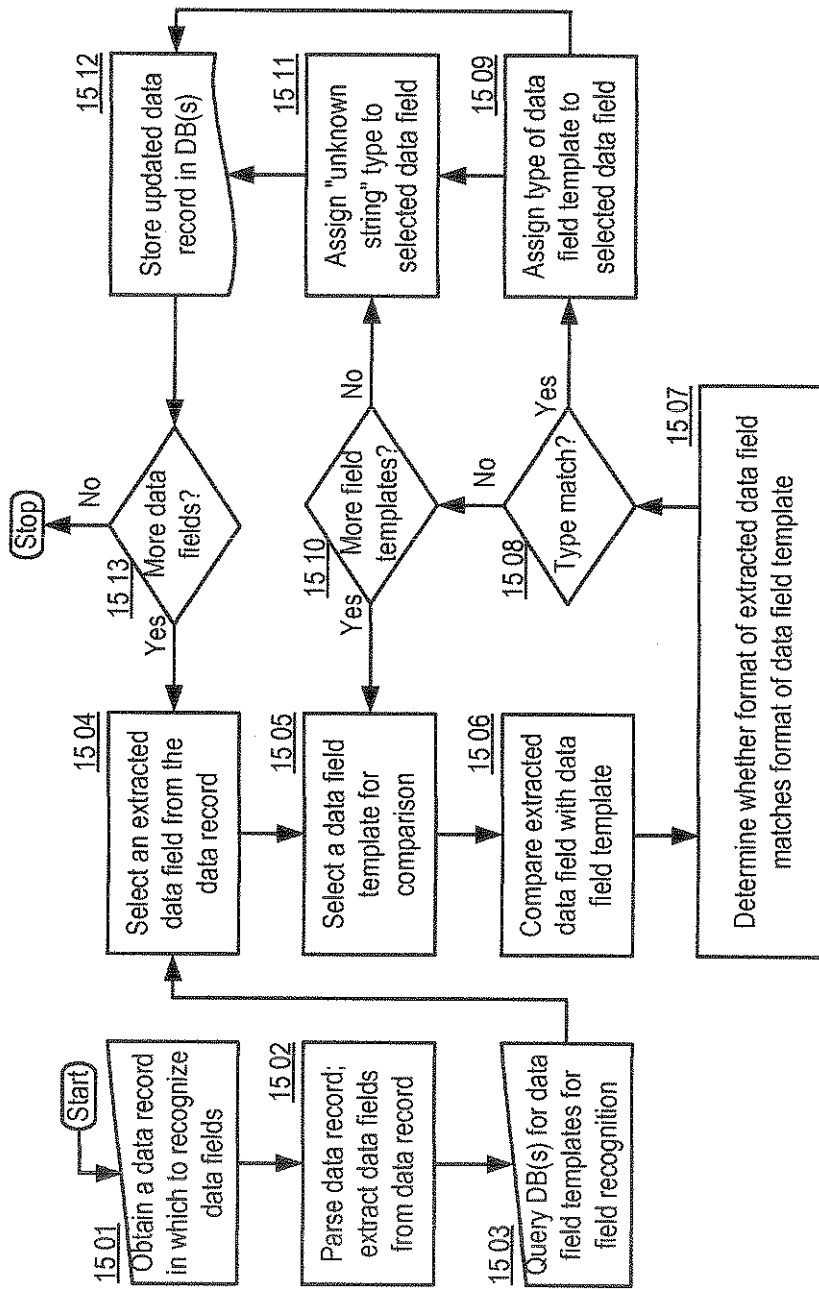


FIGURE 15

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

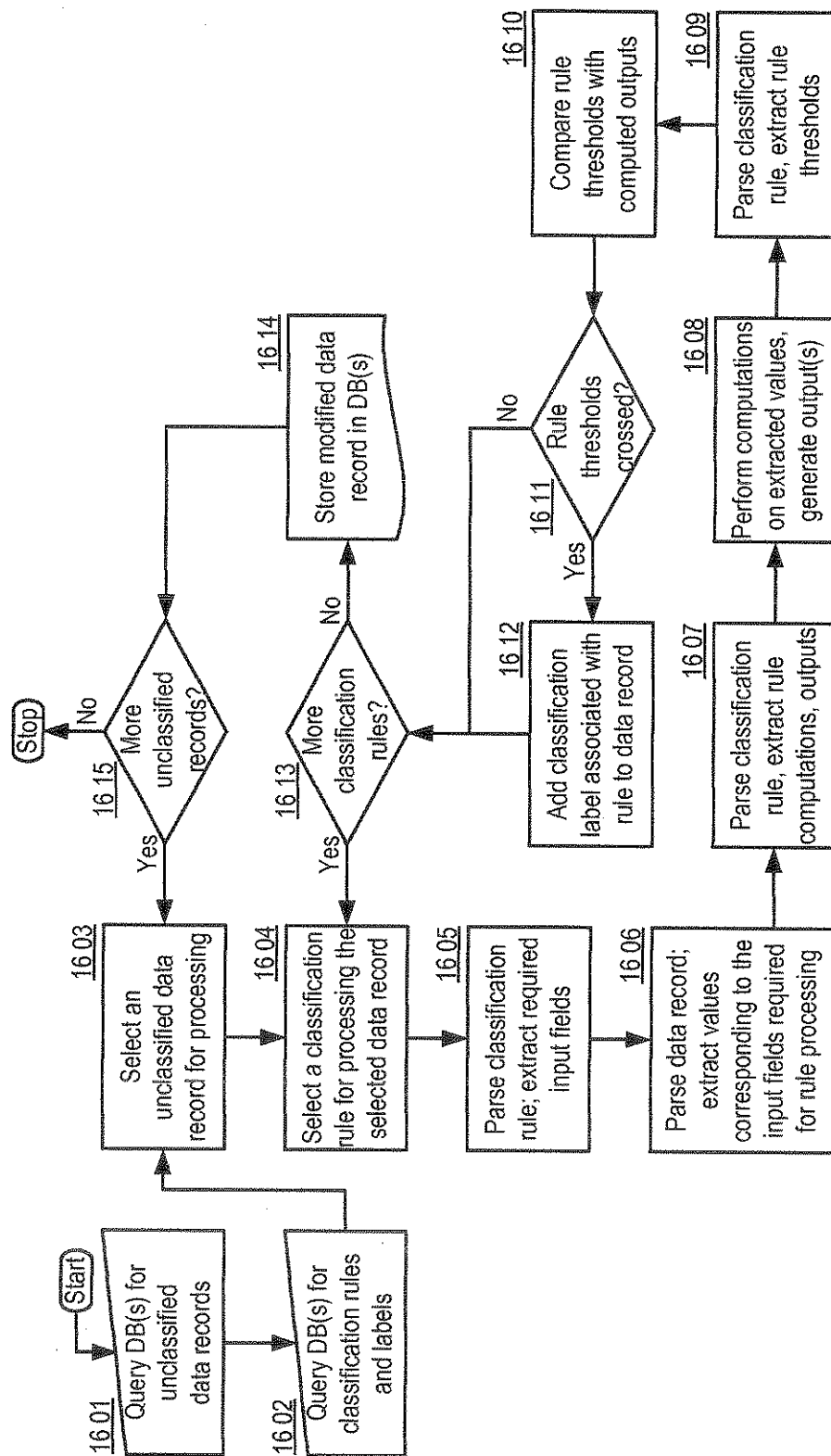


FIGURE 16

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

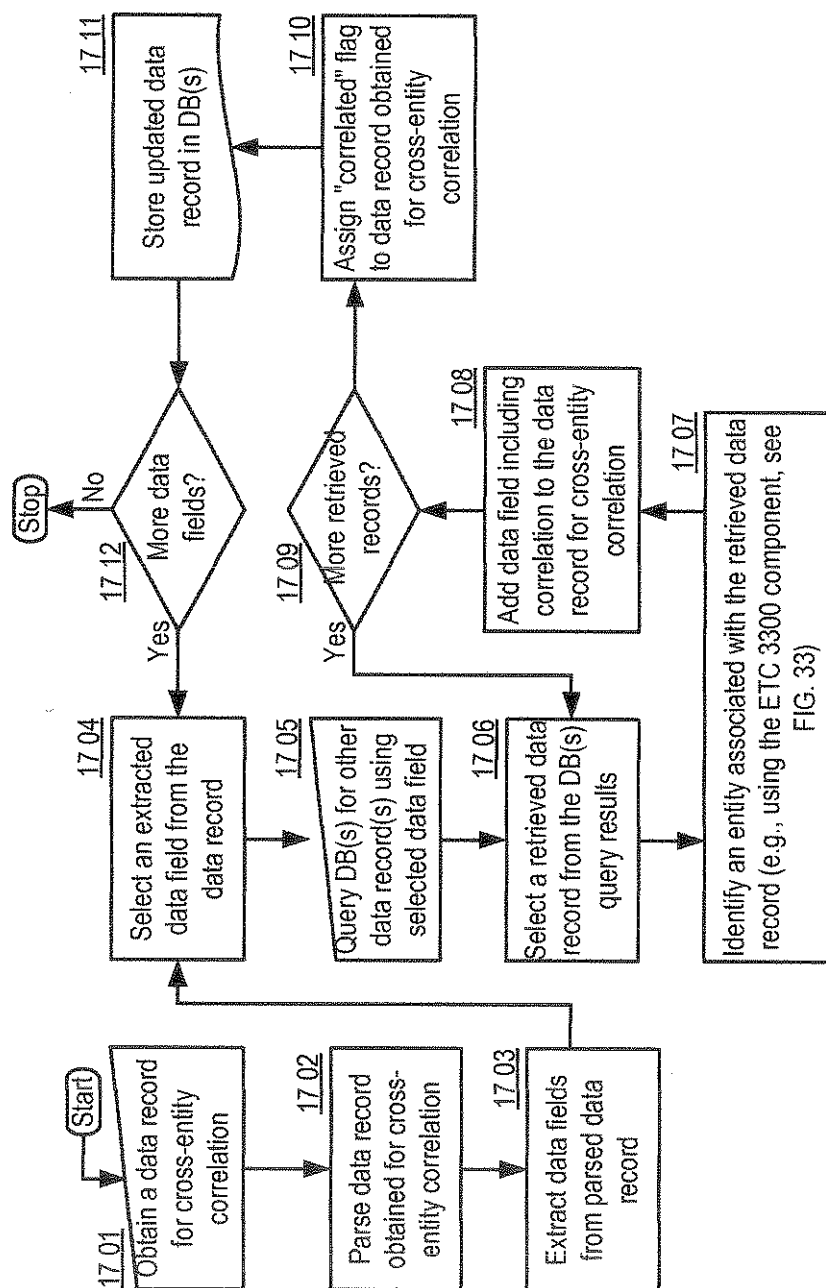


FIGURE 17

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

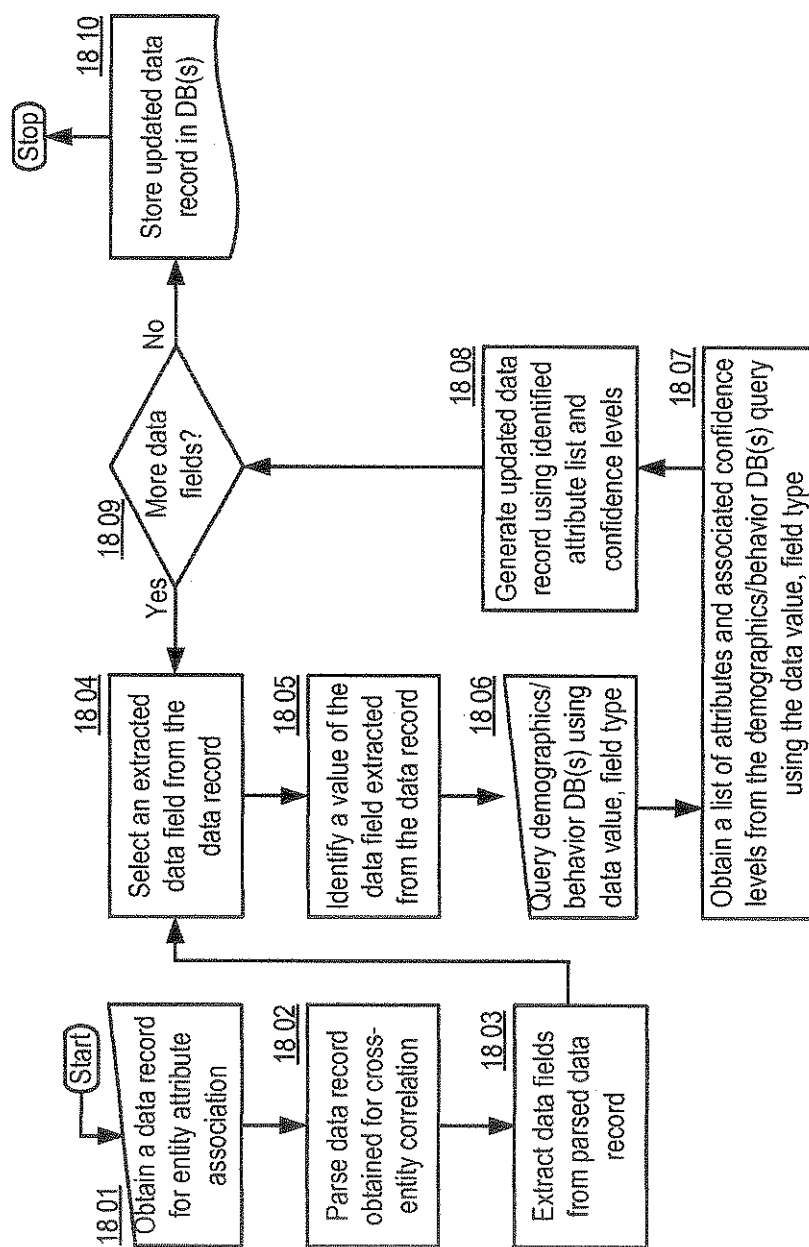


FIGURE 18

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

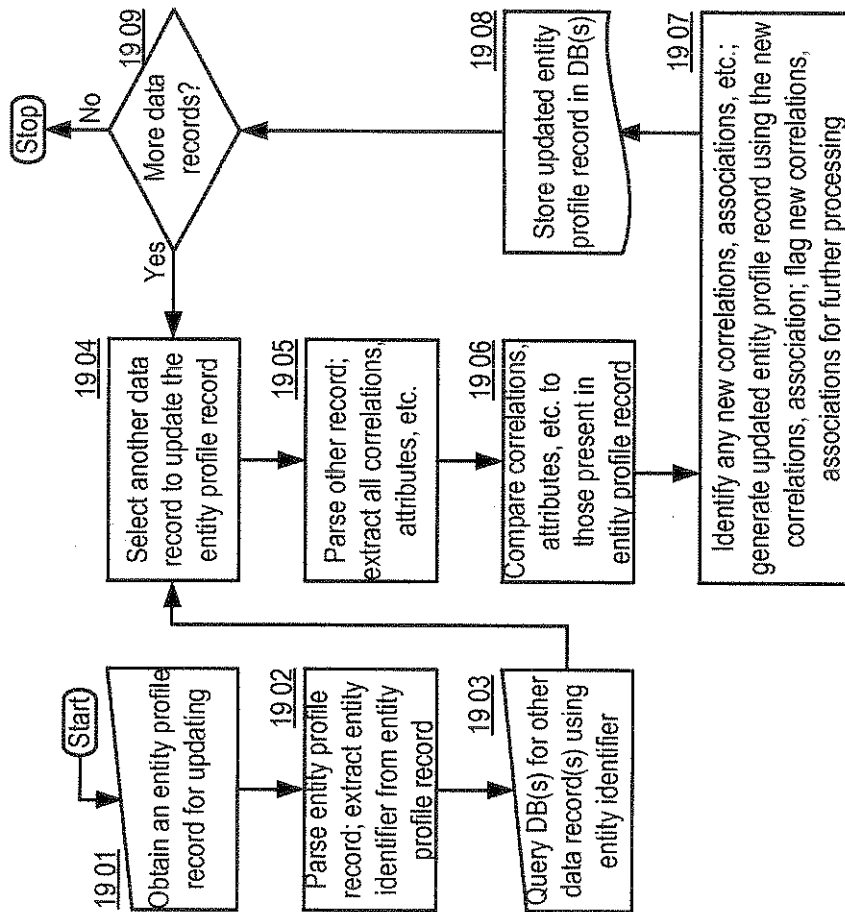


FIGURE 19

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

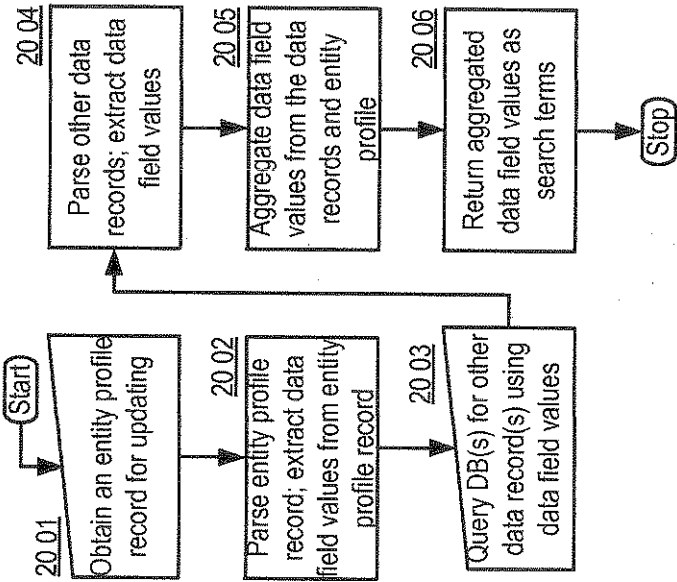


FIGURE 20

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

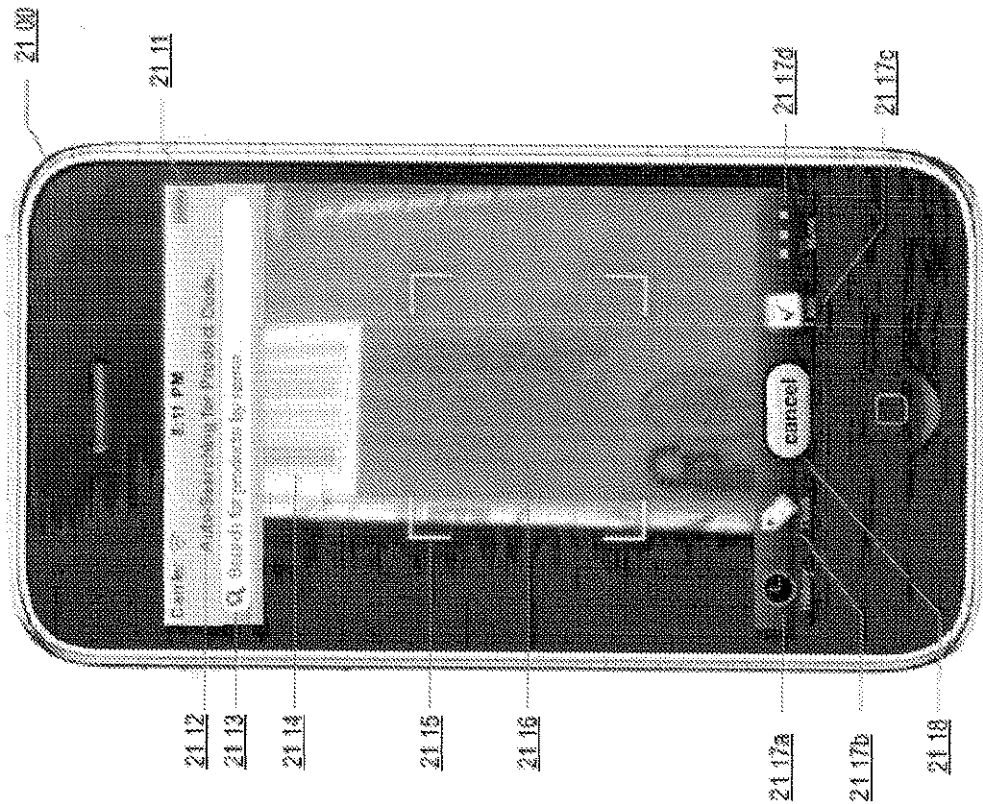


FIGURE 21A

Example: Electronic Virtual Wallet User Interface

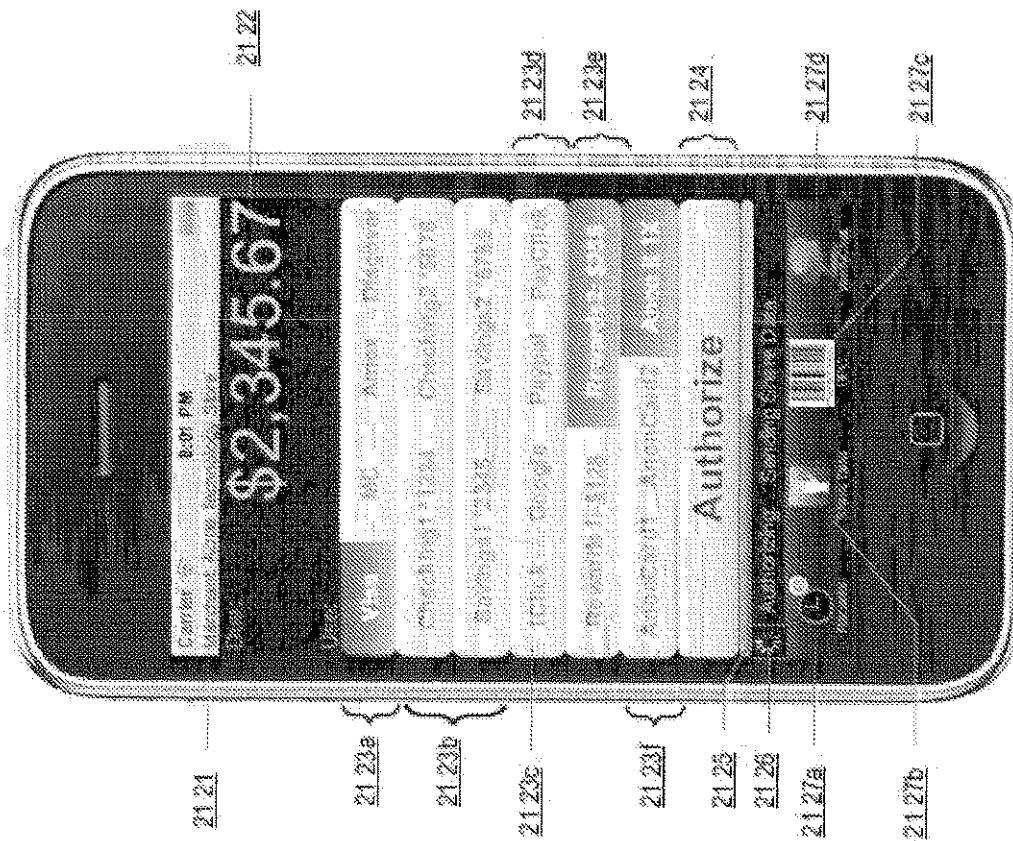


FIGURE 21B

Example: Electronic Virtual Wallet User Interface

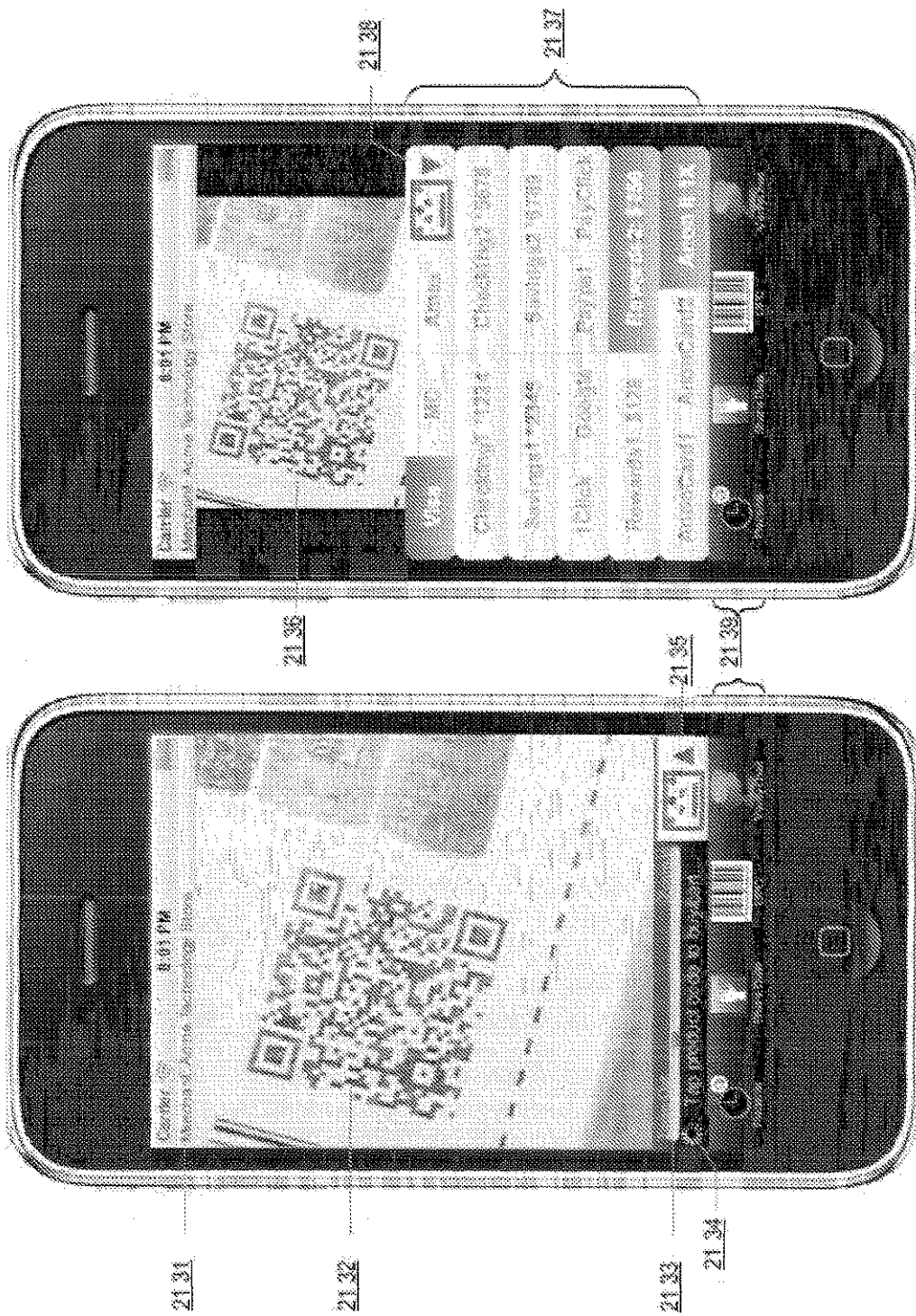


FIGURE 21C

Example: Electronic Virtual Wallet User Interface

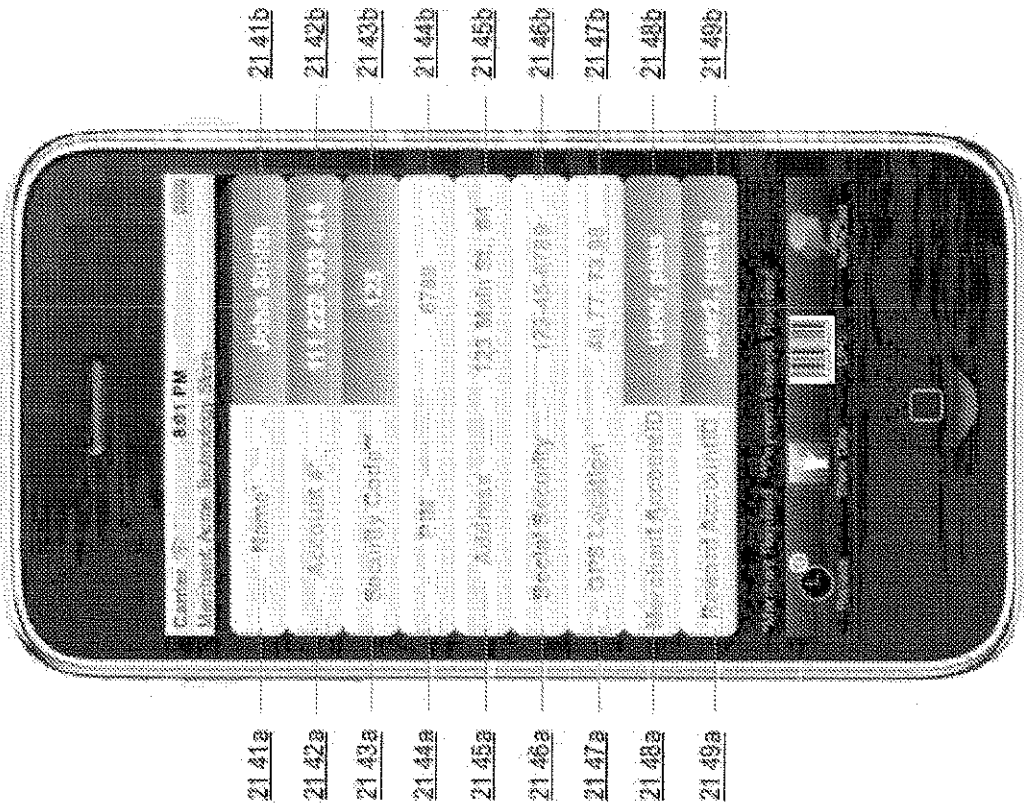


FIGURE 21D

Example: Electronic Virtual Wallet User Interface



FIGURE 21E

Example: Electronic Virtual Wallet User Interface

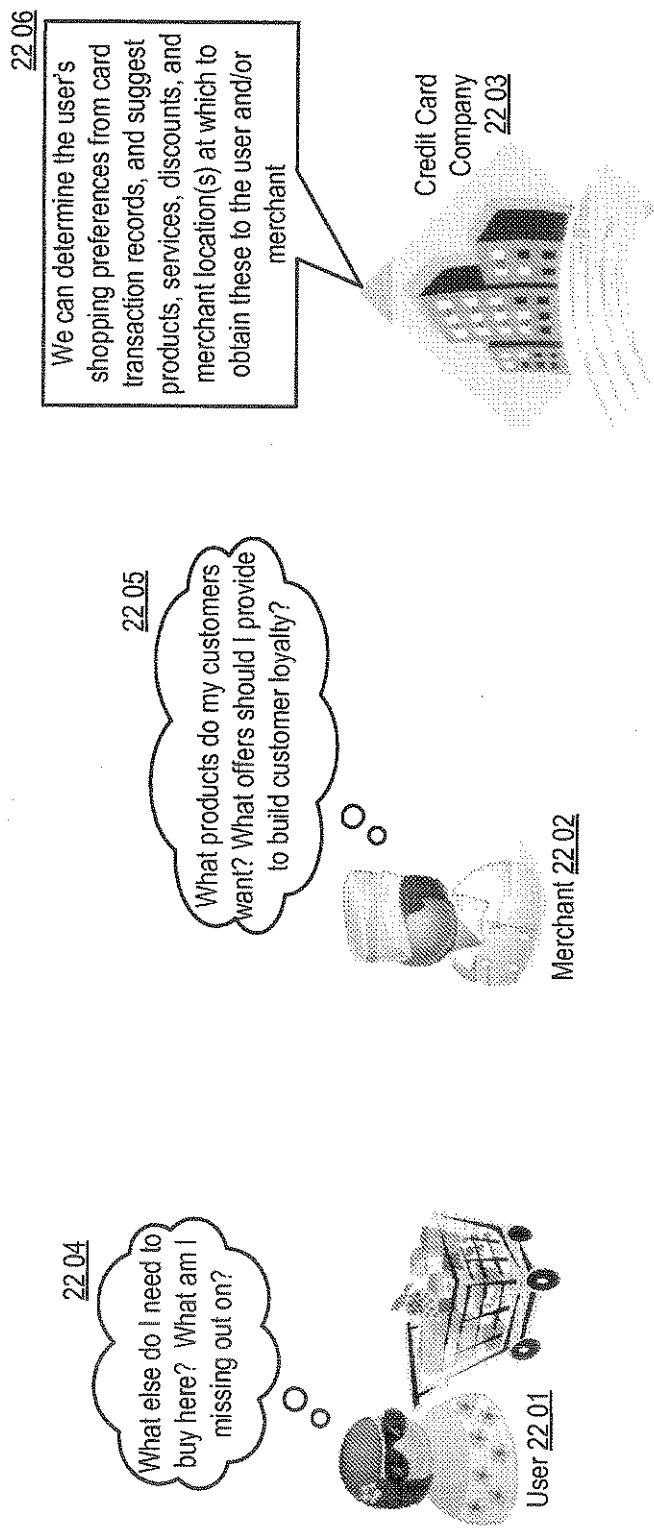


FIGURE 22

Example: Merchant Analytics Platform

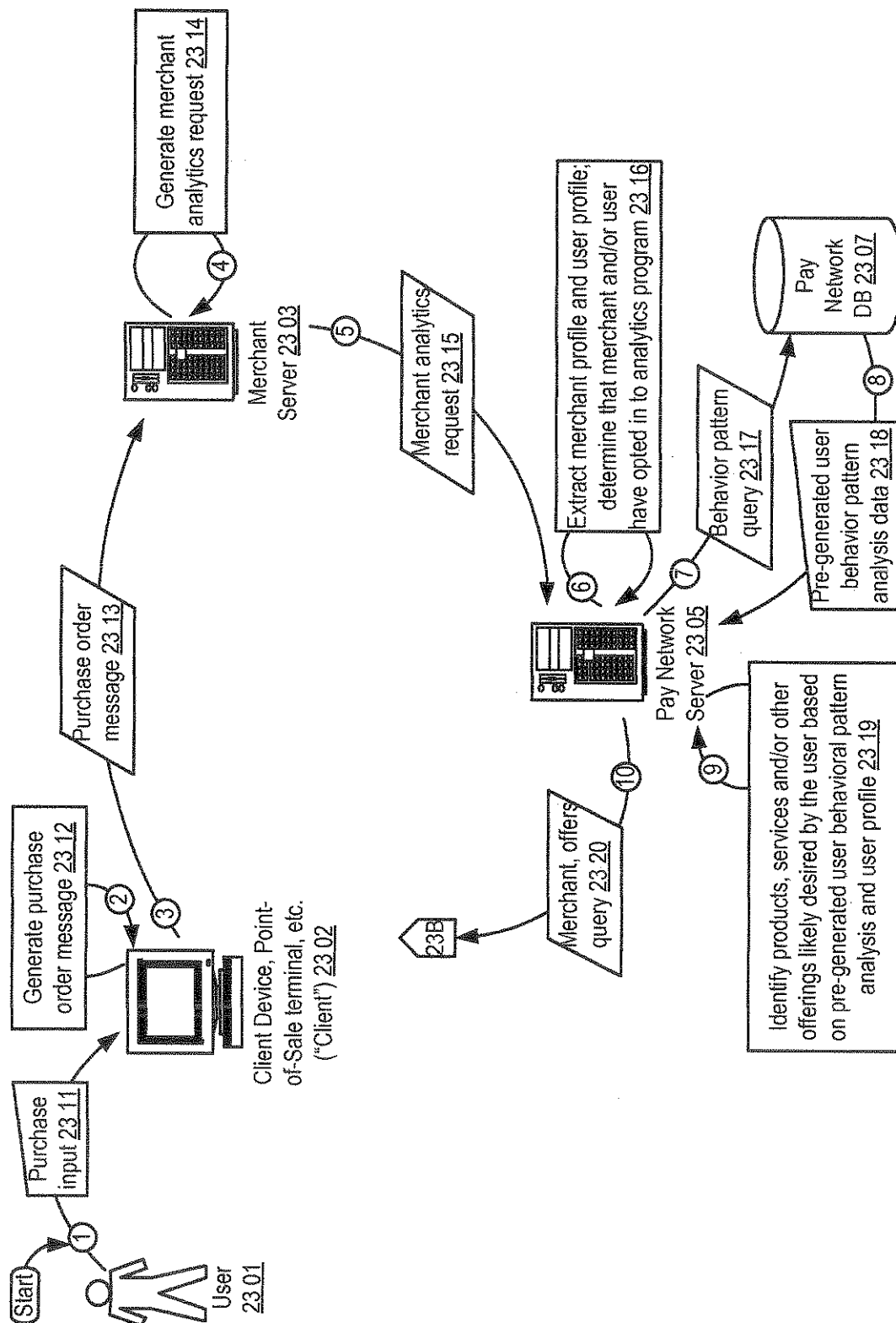


FIGURE 23A

Example Data Flow: Merchant Analytics

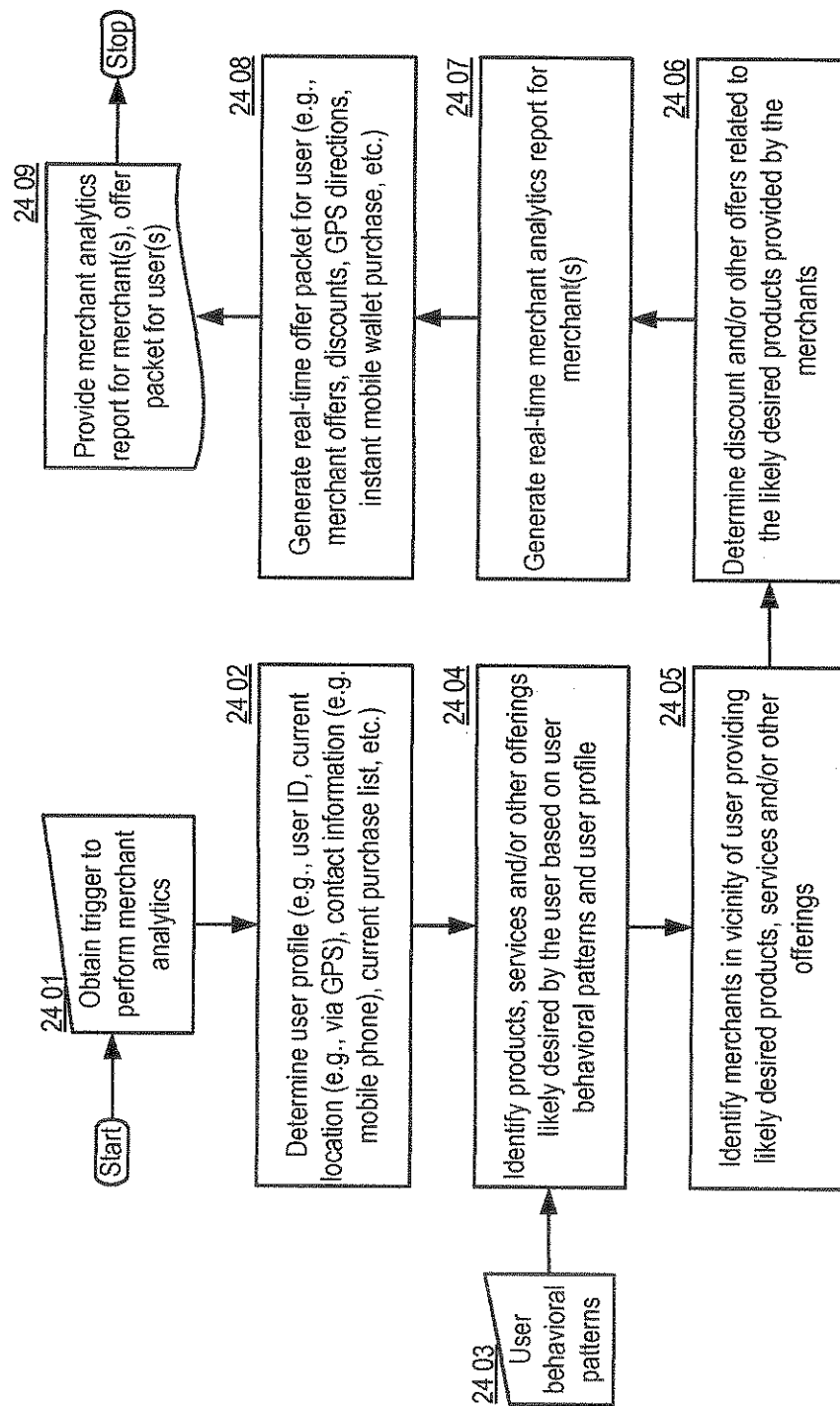


FIGURE 24

Example: Merchant Analytics ("MA") component

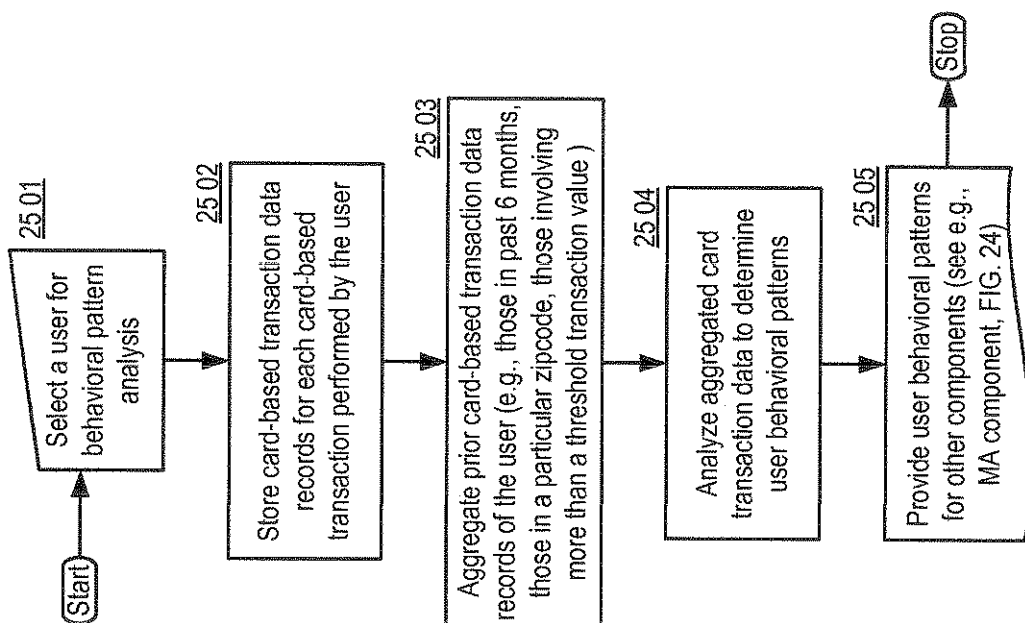


FIGURE 25

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

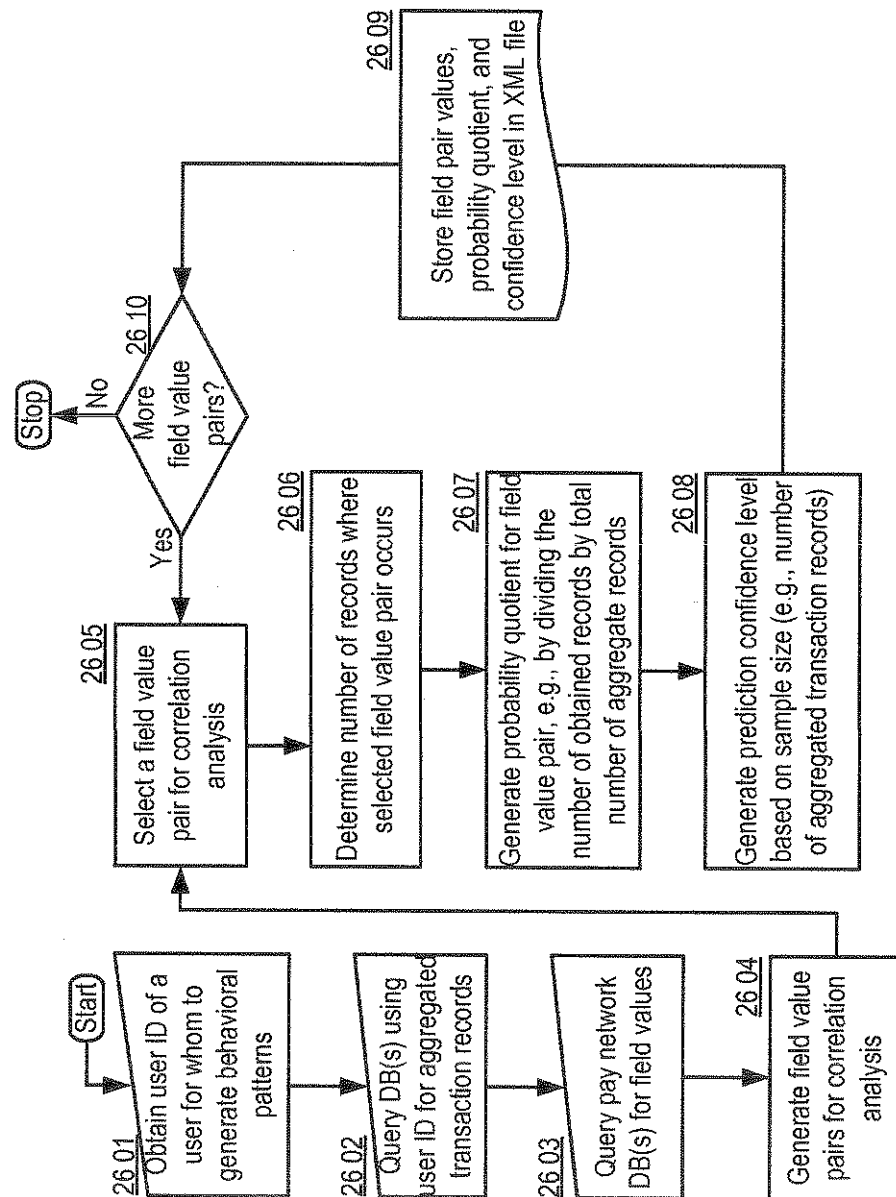


FIGURE 26

Example: User Pattern Identification (UPI) component

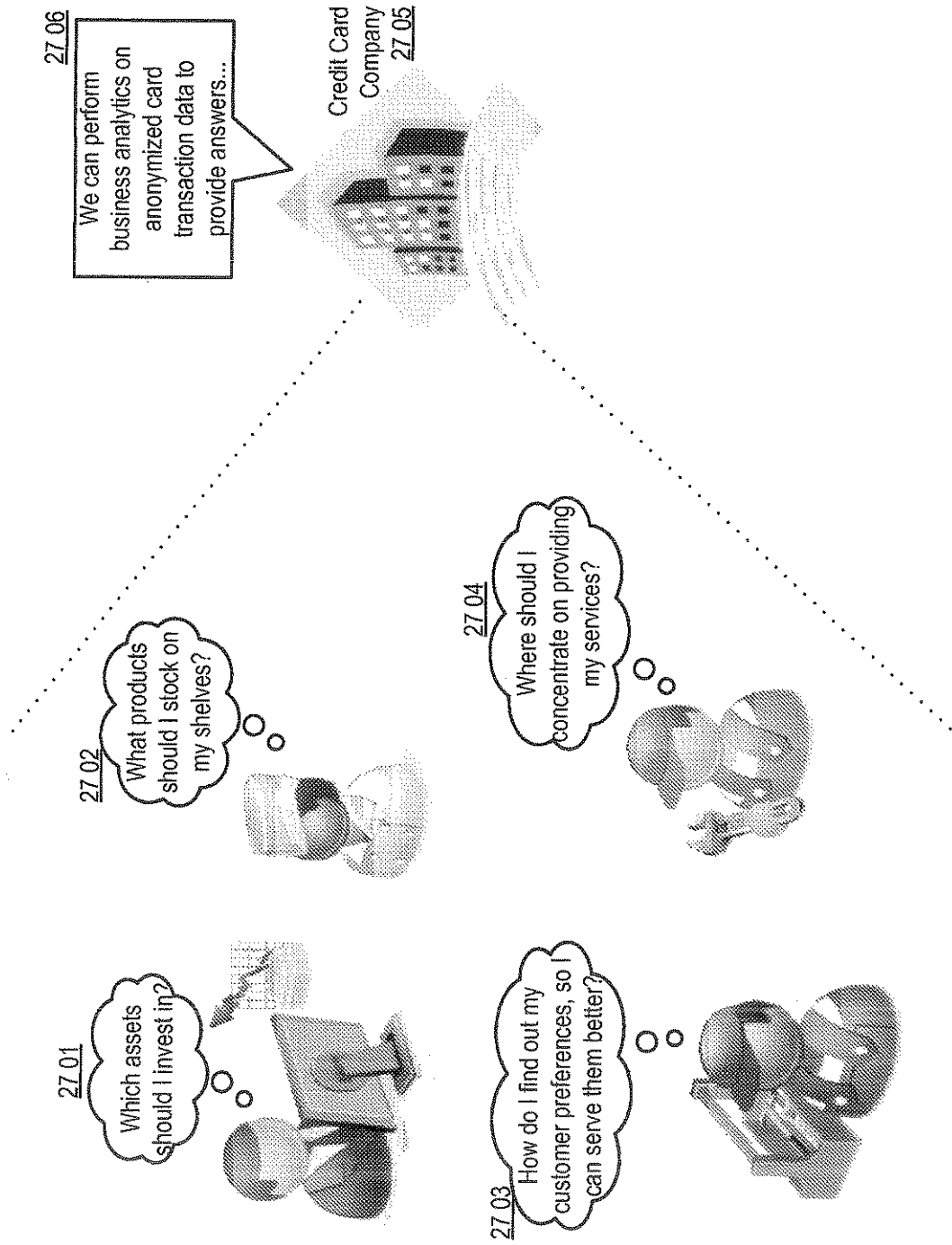


FIGURE 27A

Example: Econometrical Investment Strategy Analysis

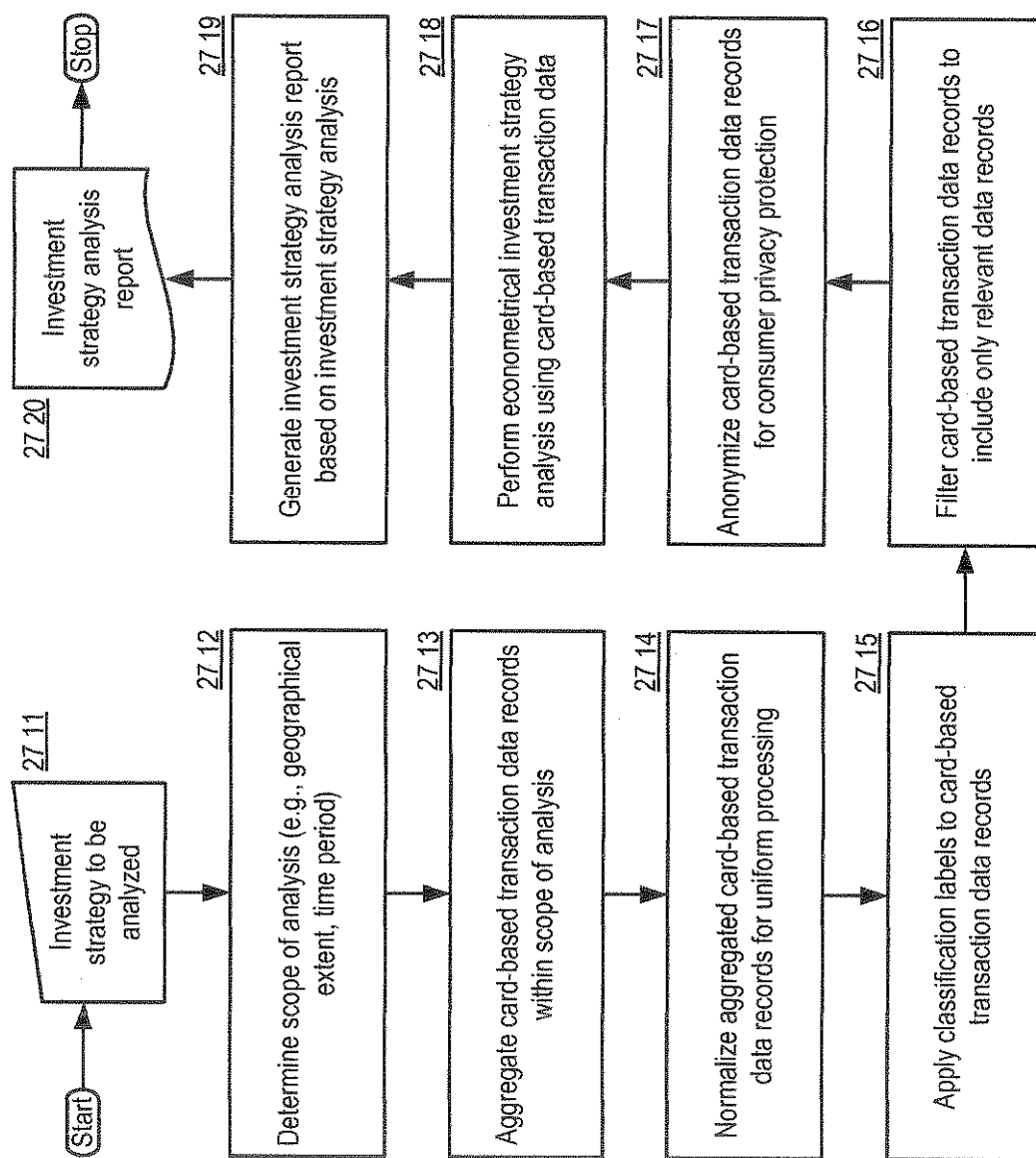


FIGURE 27B

Example: Econometrical Investment Strategy Analysis

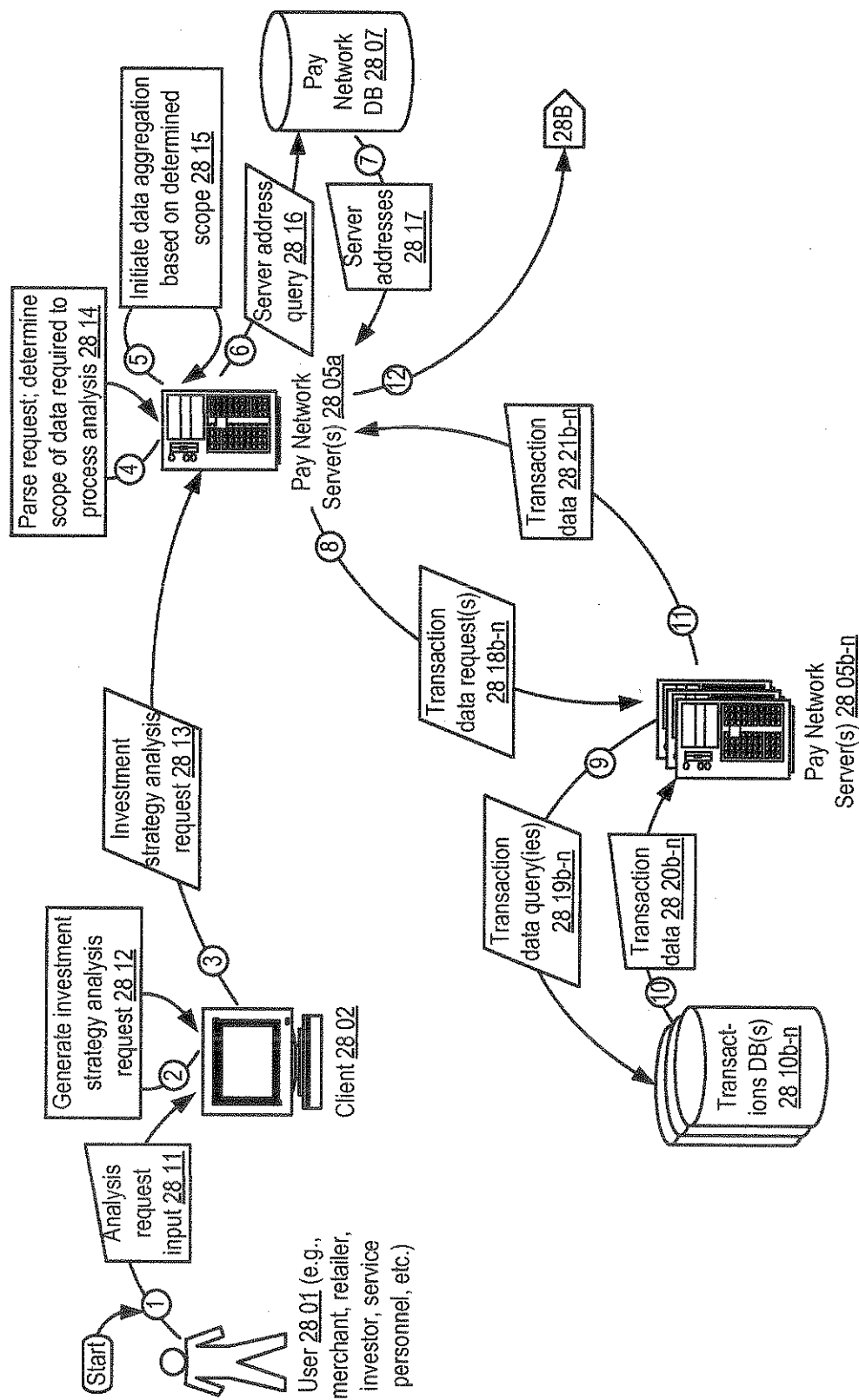
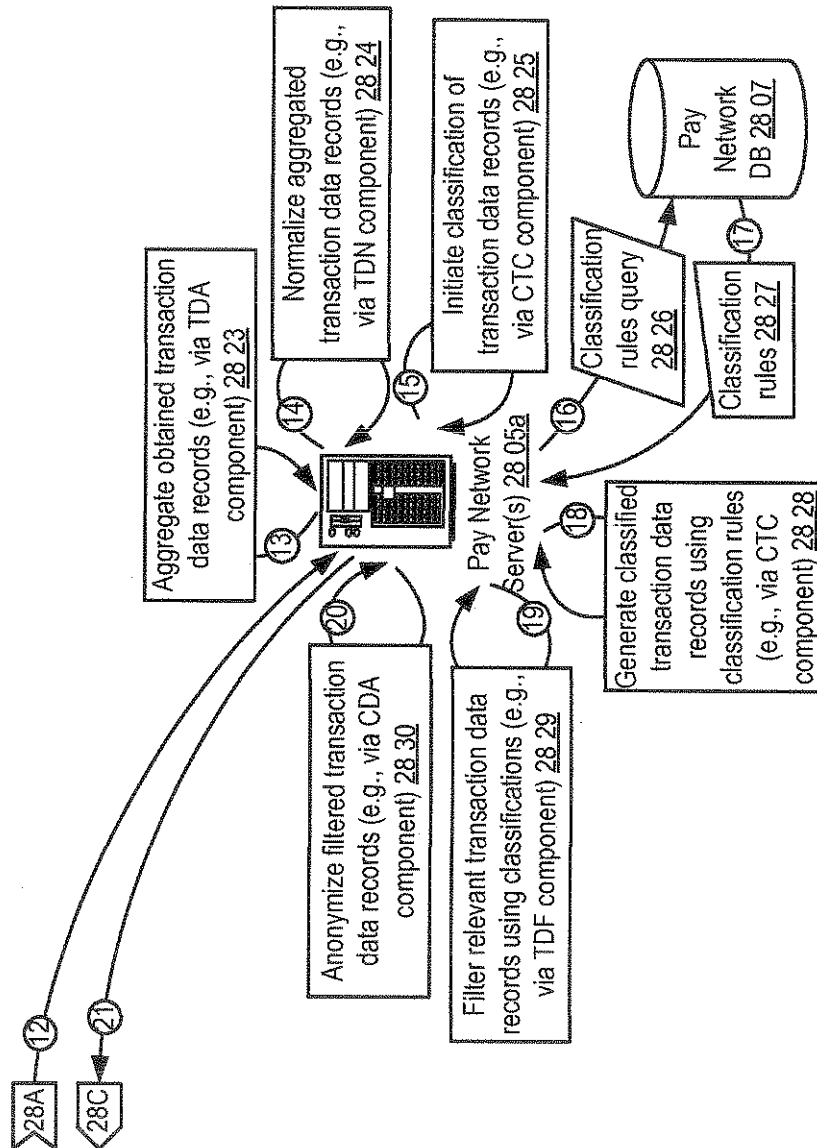


FIGURE 28A

Example Data Flow: Econometrical Analysis of an Investment Strategy



Example Data Flow: Econometrical Analysis of an Investment Strategy

FIGURE 28B

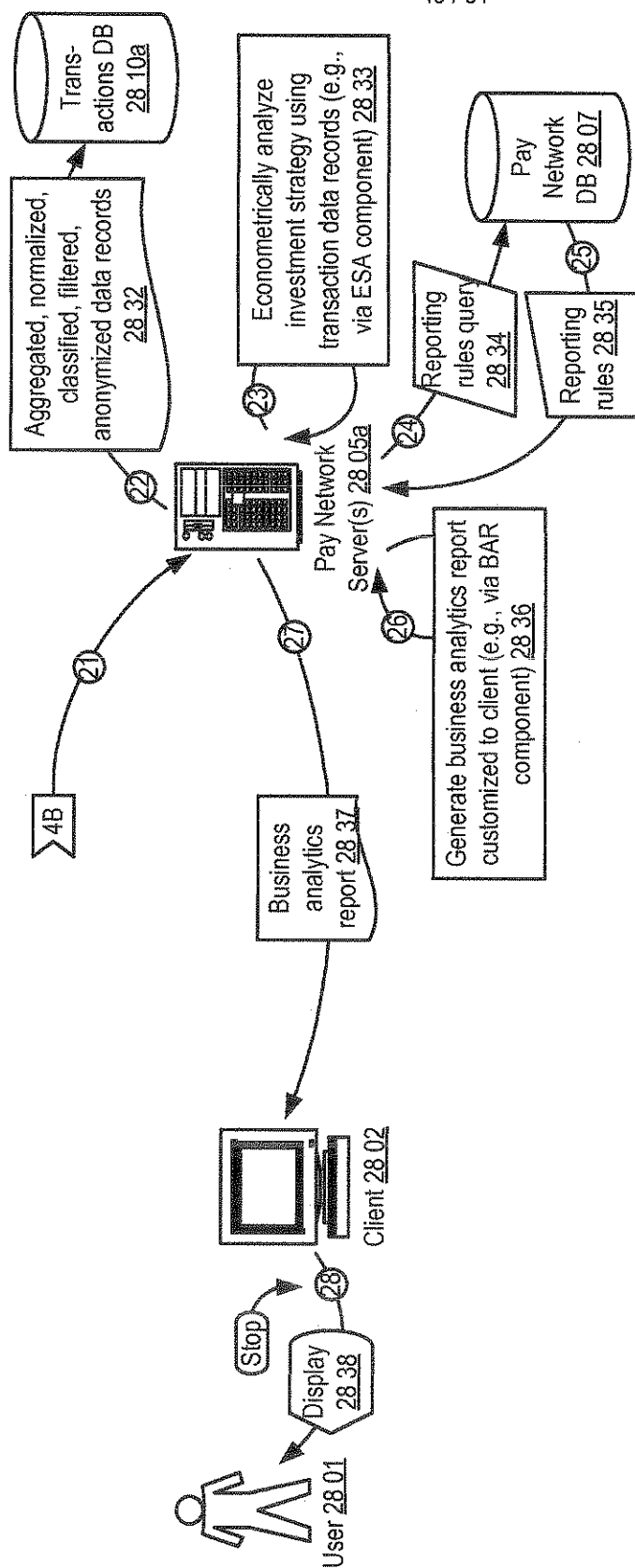


FIGURE 28C

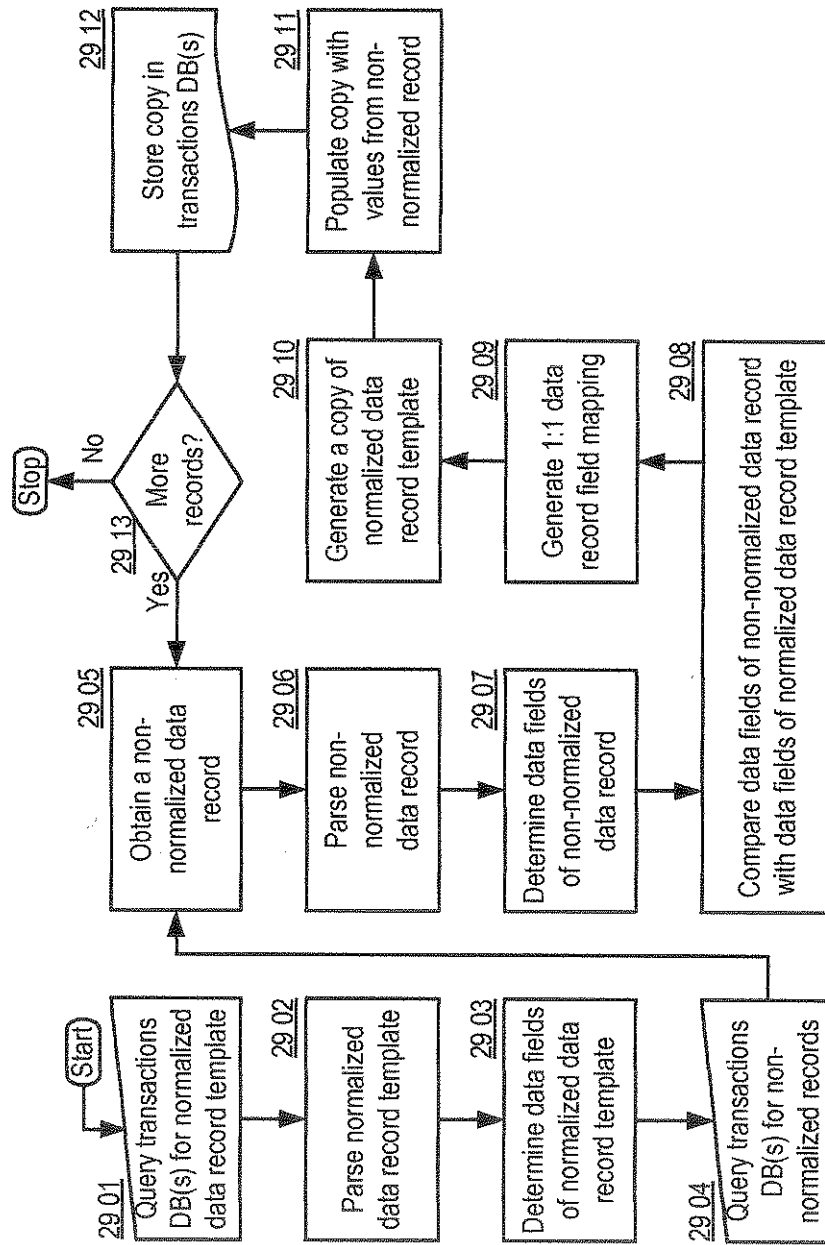


FIGURE 29

Example Logic Flow: Transaction Data Normalization (TDN) component

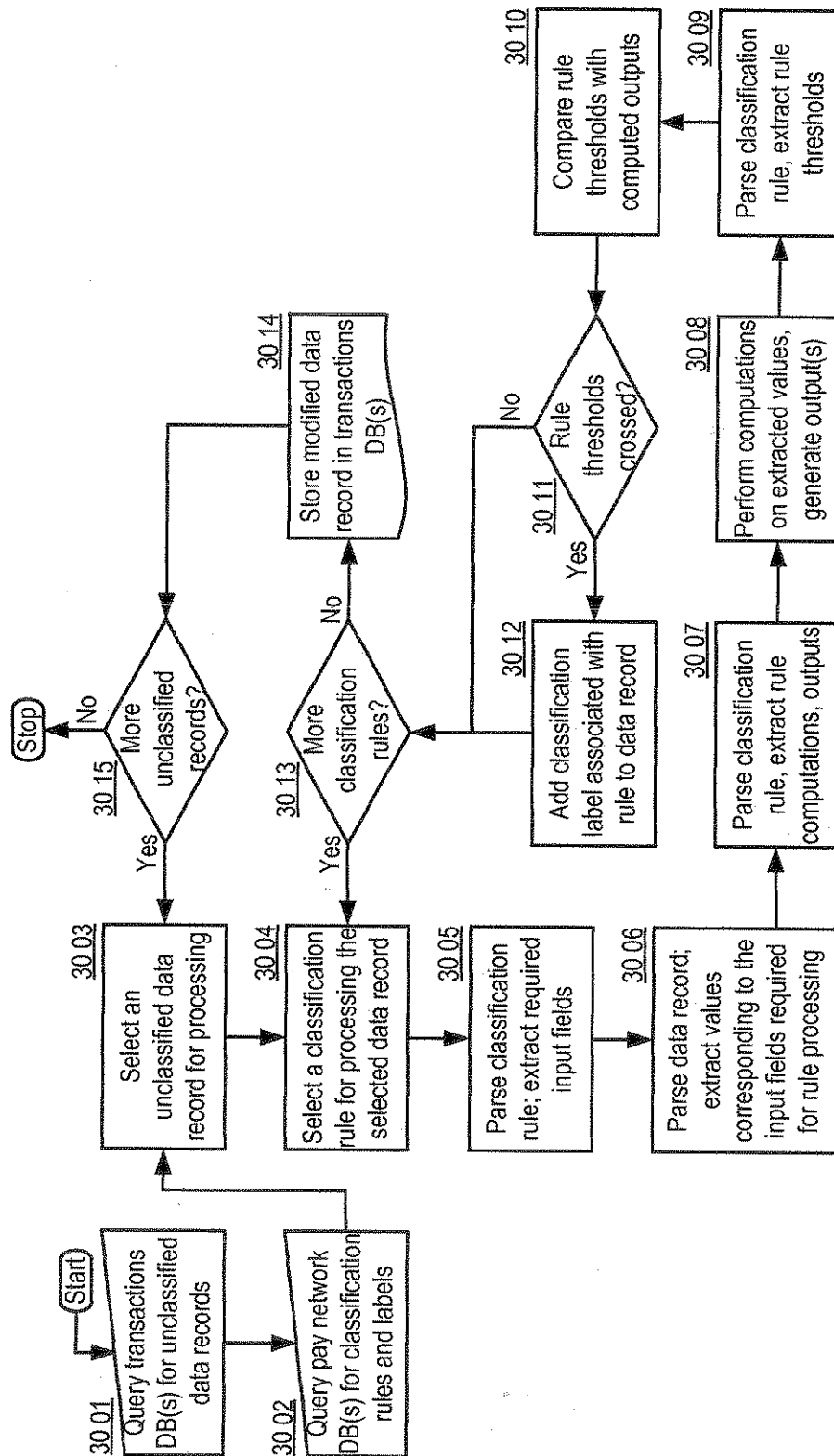


FIGURE 30

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

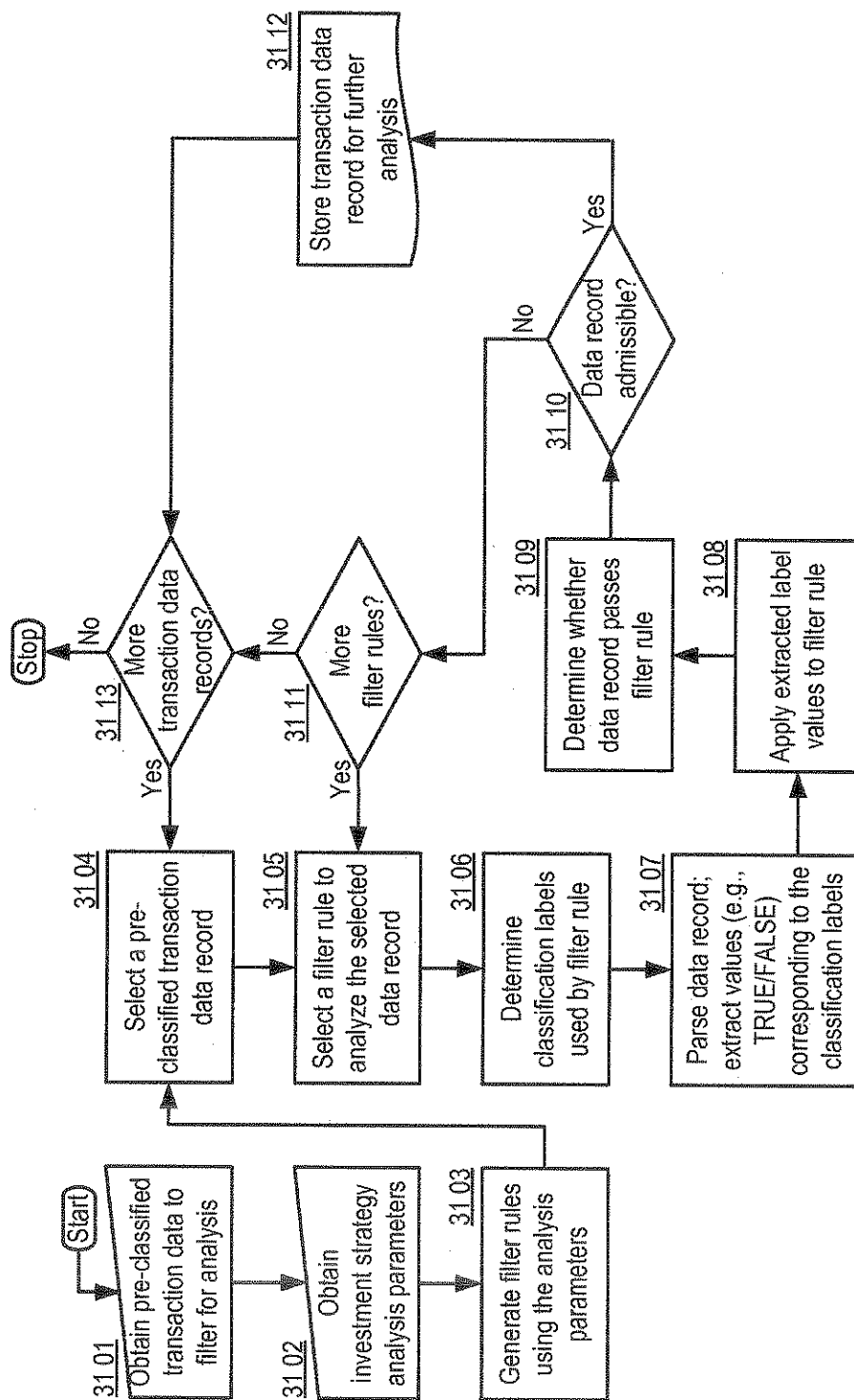


FIGURE 31

Example: Transaction Data Filtering (TDF) component

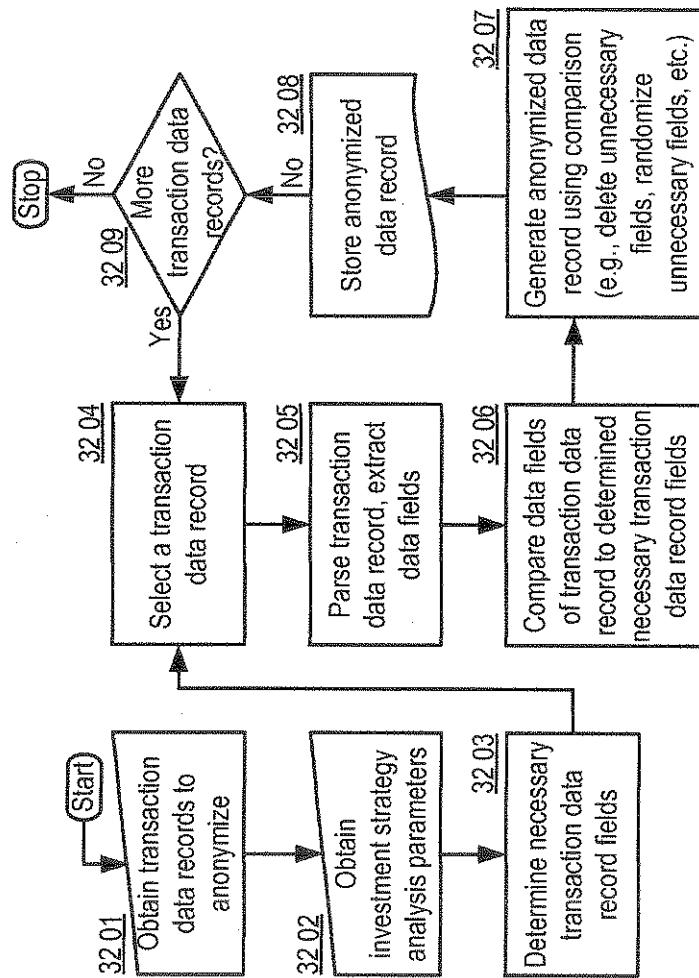


FIGURE 32

Example Logic Flow: Consumer Data Anonymization (CDA) component

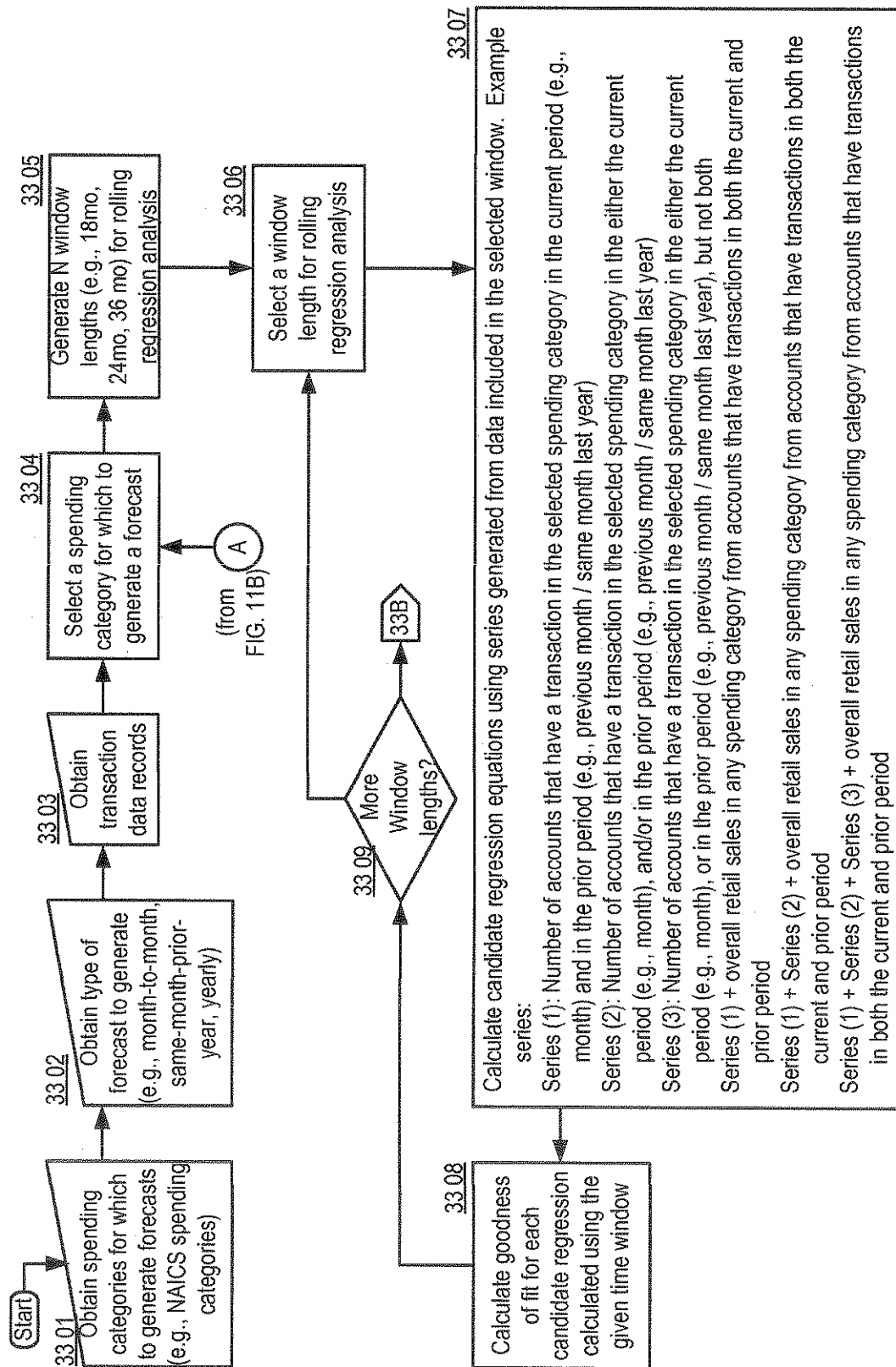


FIGURE 33A

Example Logic Flow: Econometrical Strategy Analysis (ESA) component

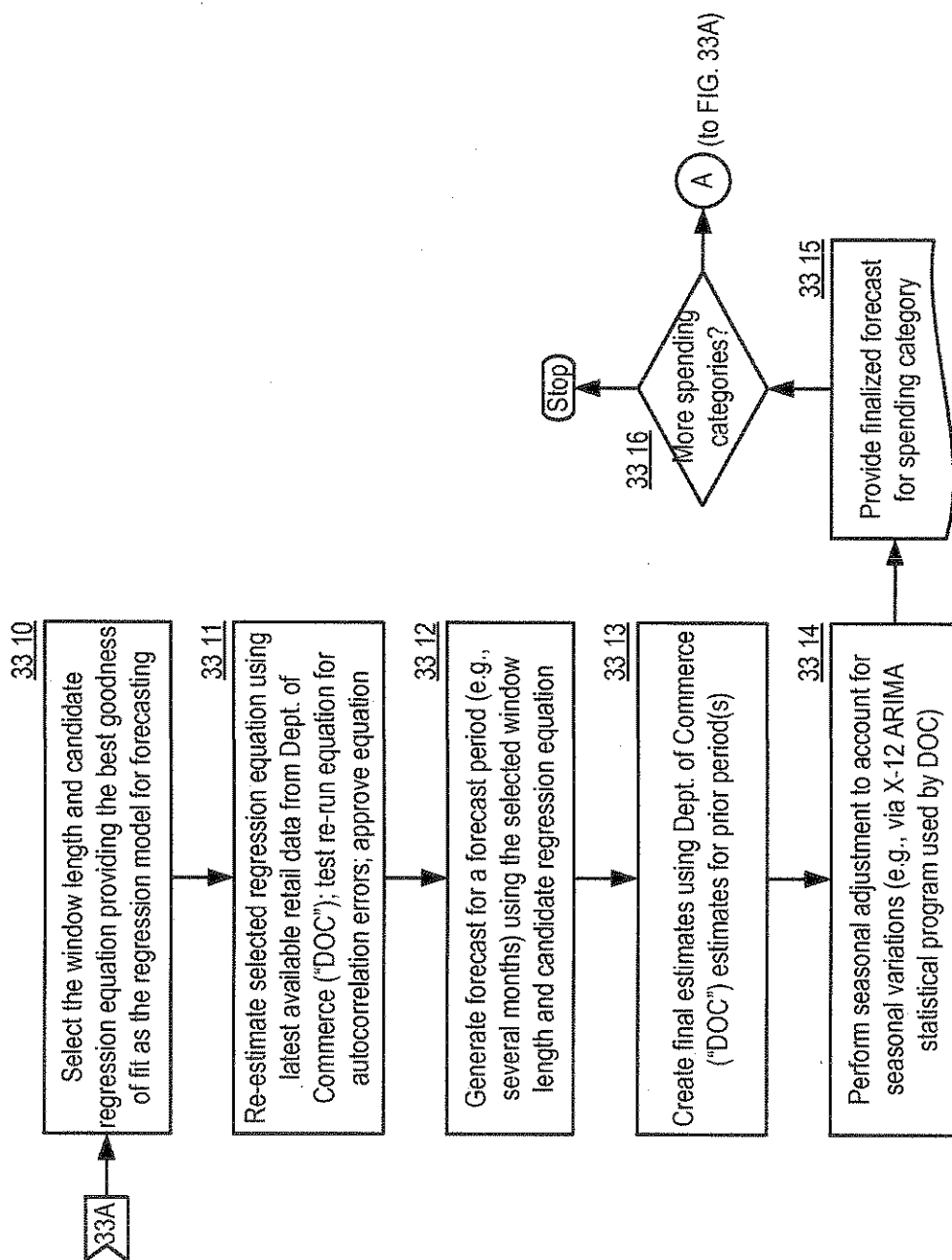


FIGURE 33B

Example Logic Flow: Econometrical Strategy Analysis (ESA) component

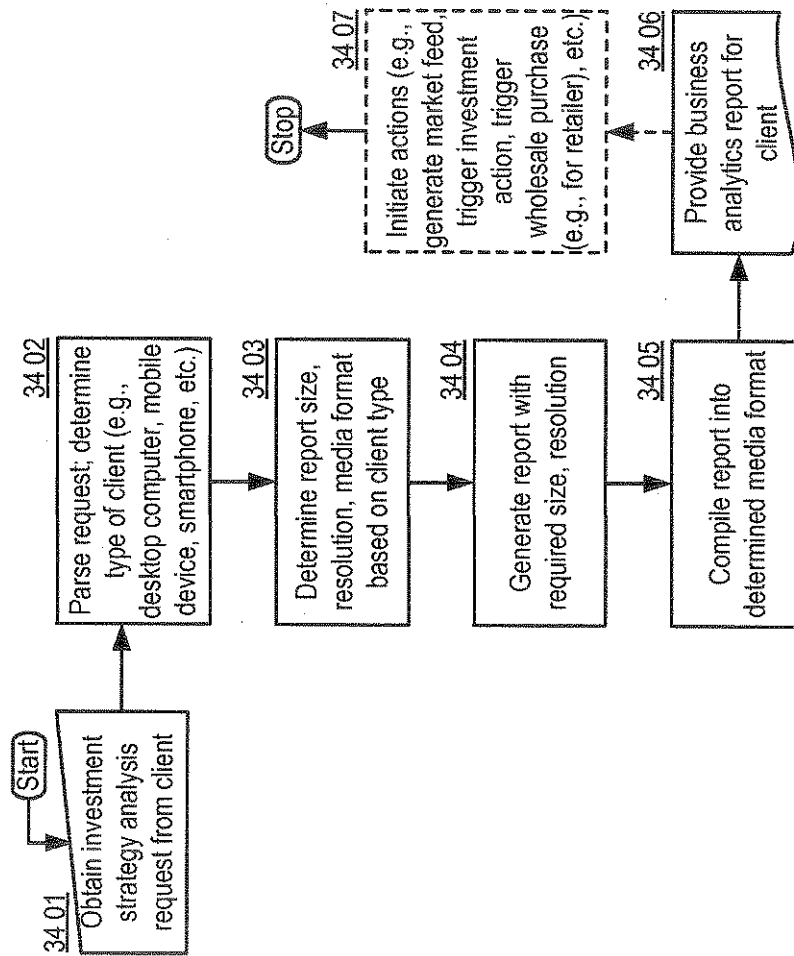


FIGURE 34

Example Logic Flow: Business Analytics Reporting (BAR) component

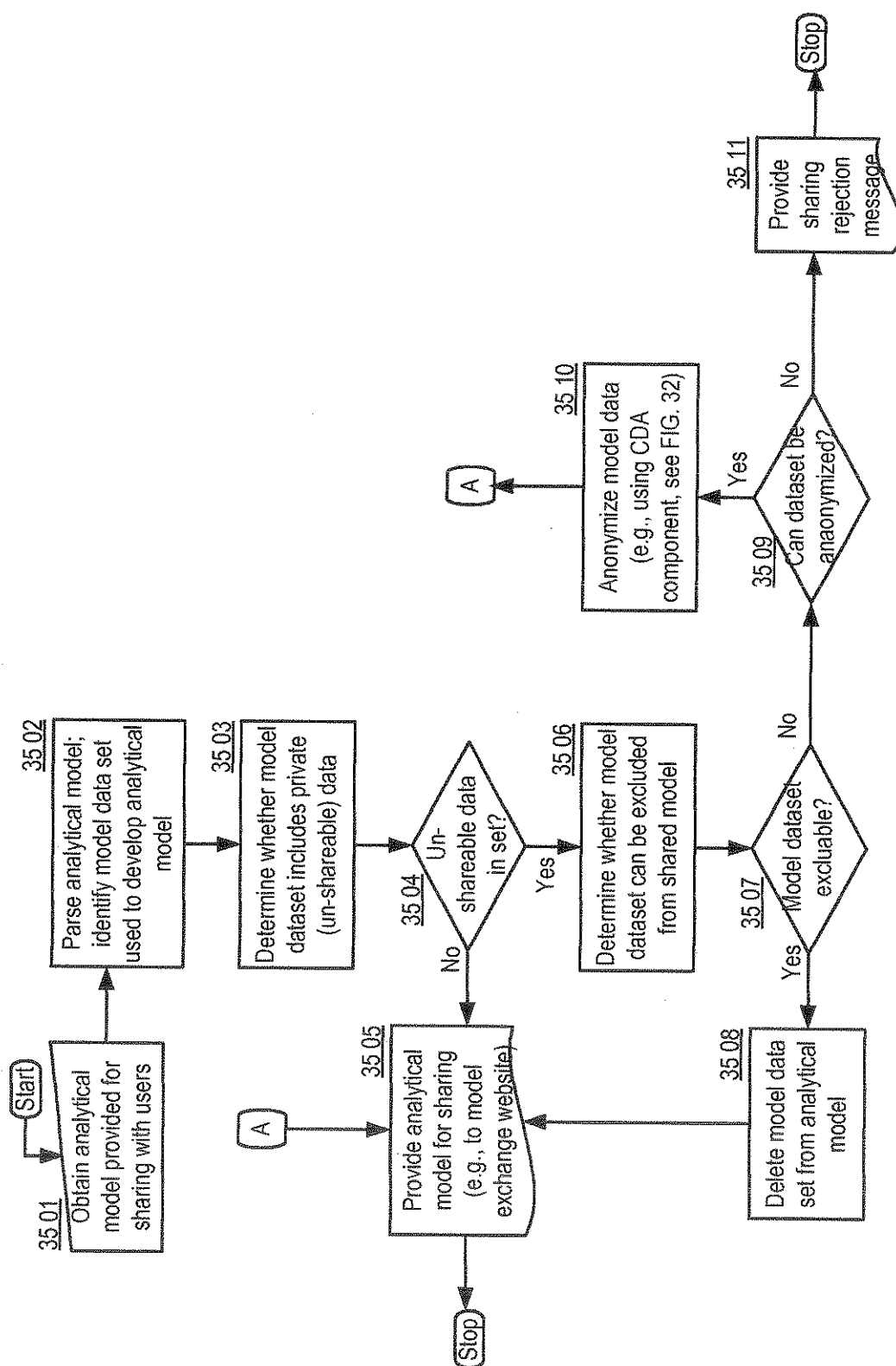


FIGURE 35

Example Logic Flow: Analytical Model Sharing (AMS) component

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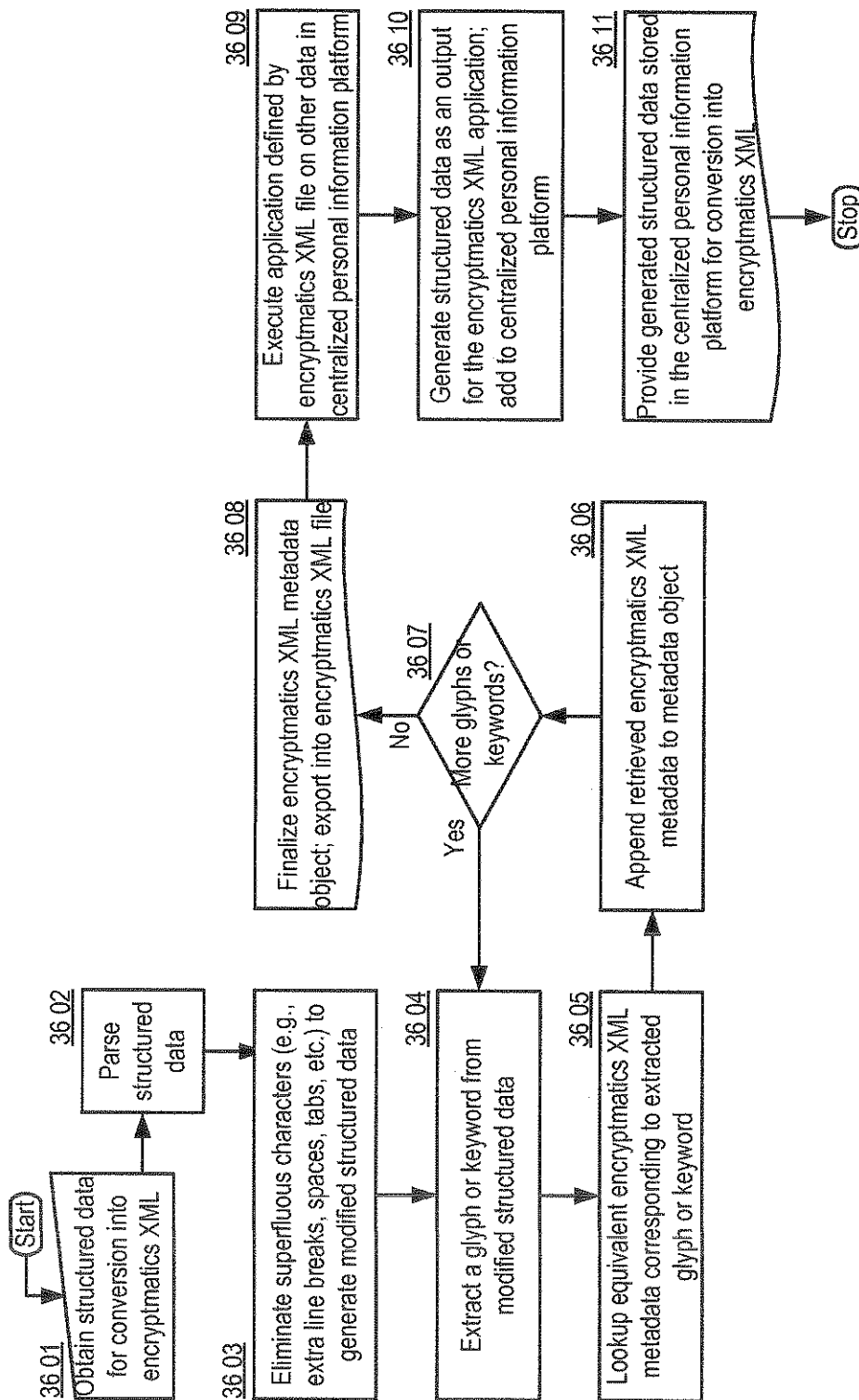
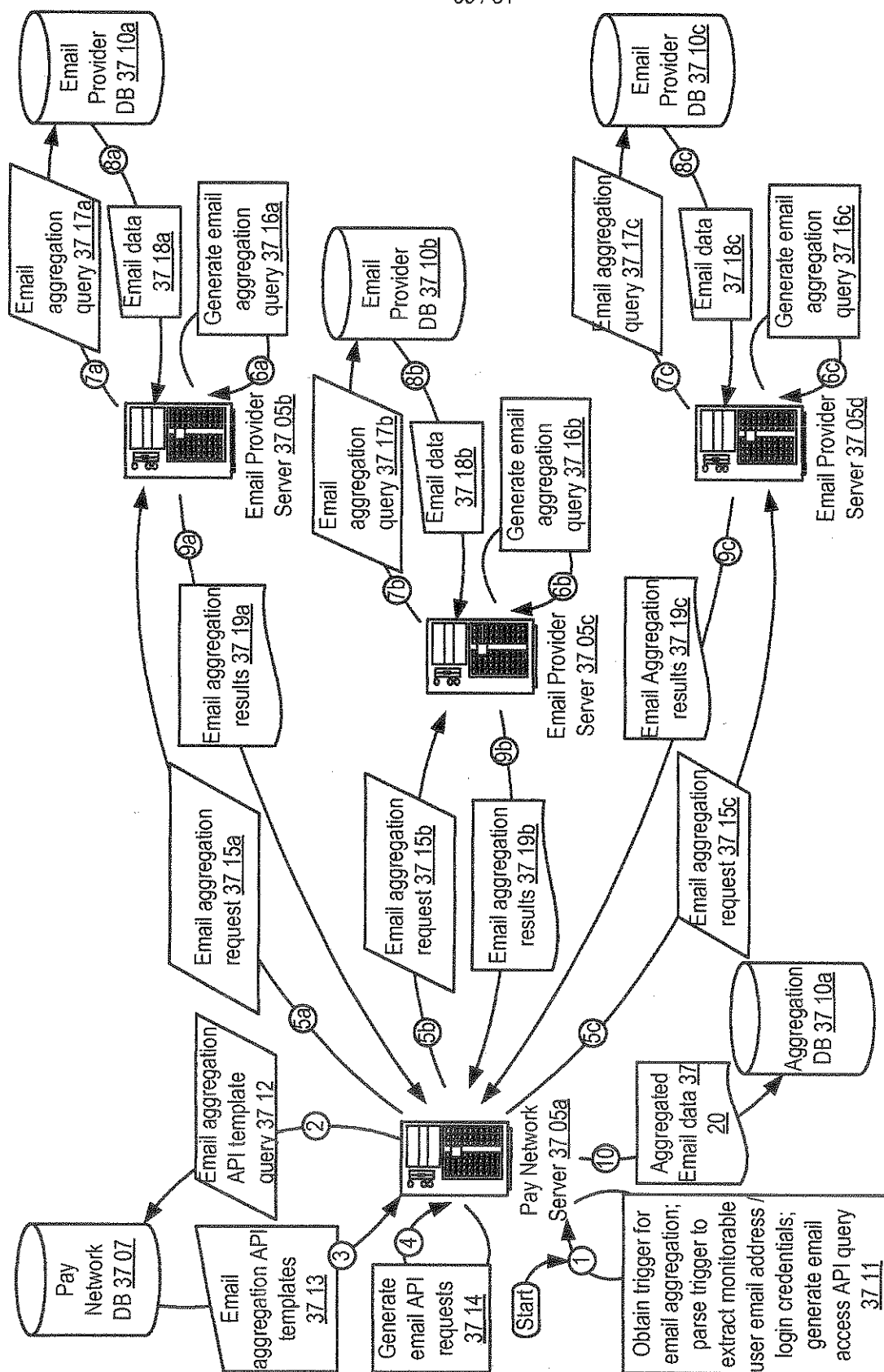


FIGURE 36

Example Logic Flow: Encryptmatics XML Converter (EXC) component



Example: Email Data Aggregation

FIGURE 37

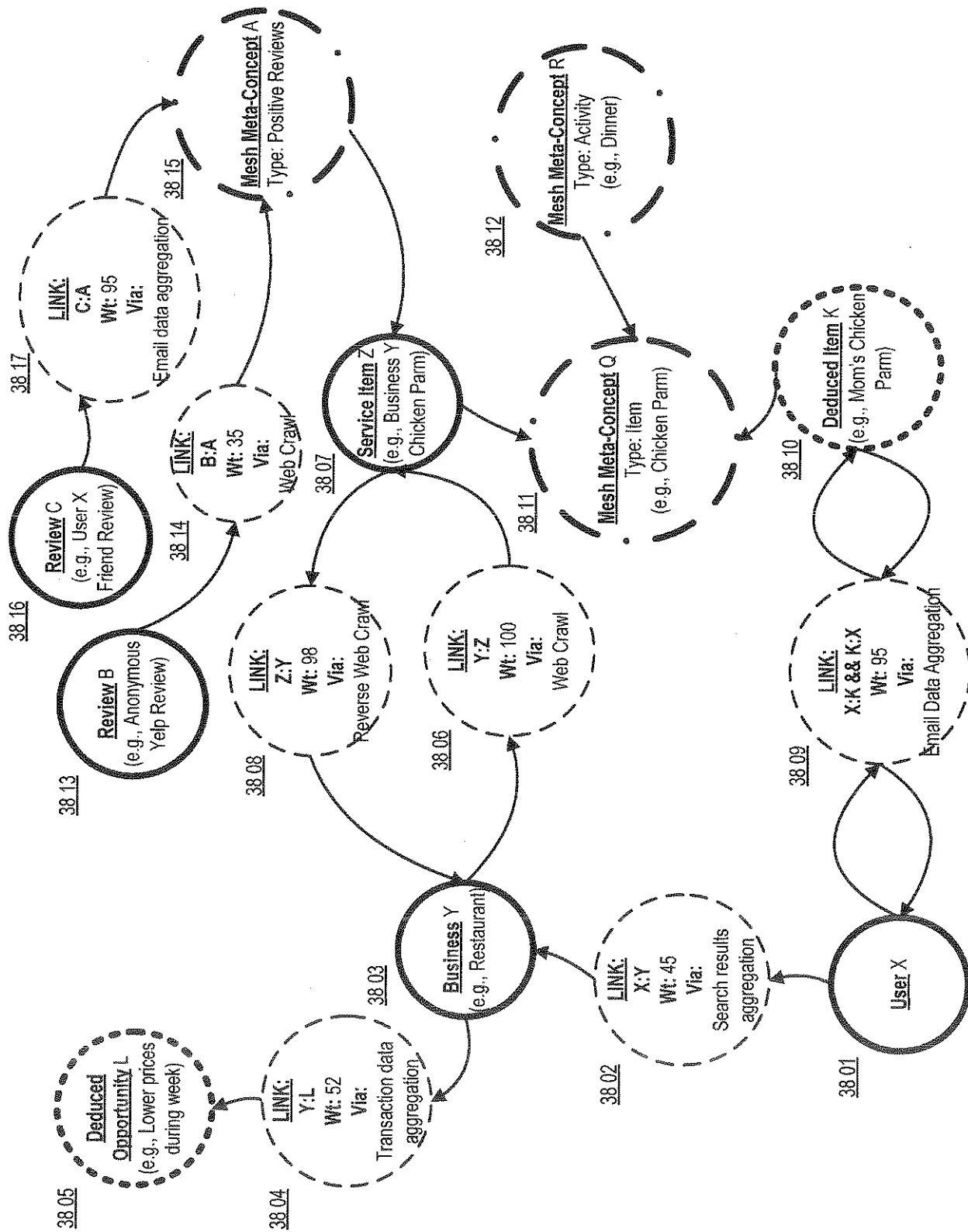


FIGURE 38

Example: Distributed Linking Node Mesh

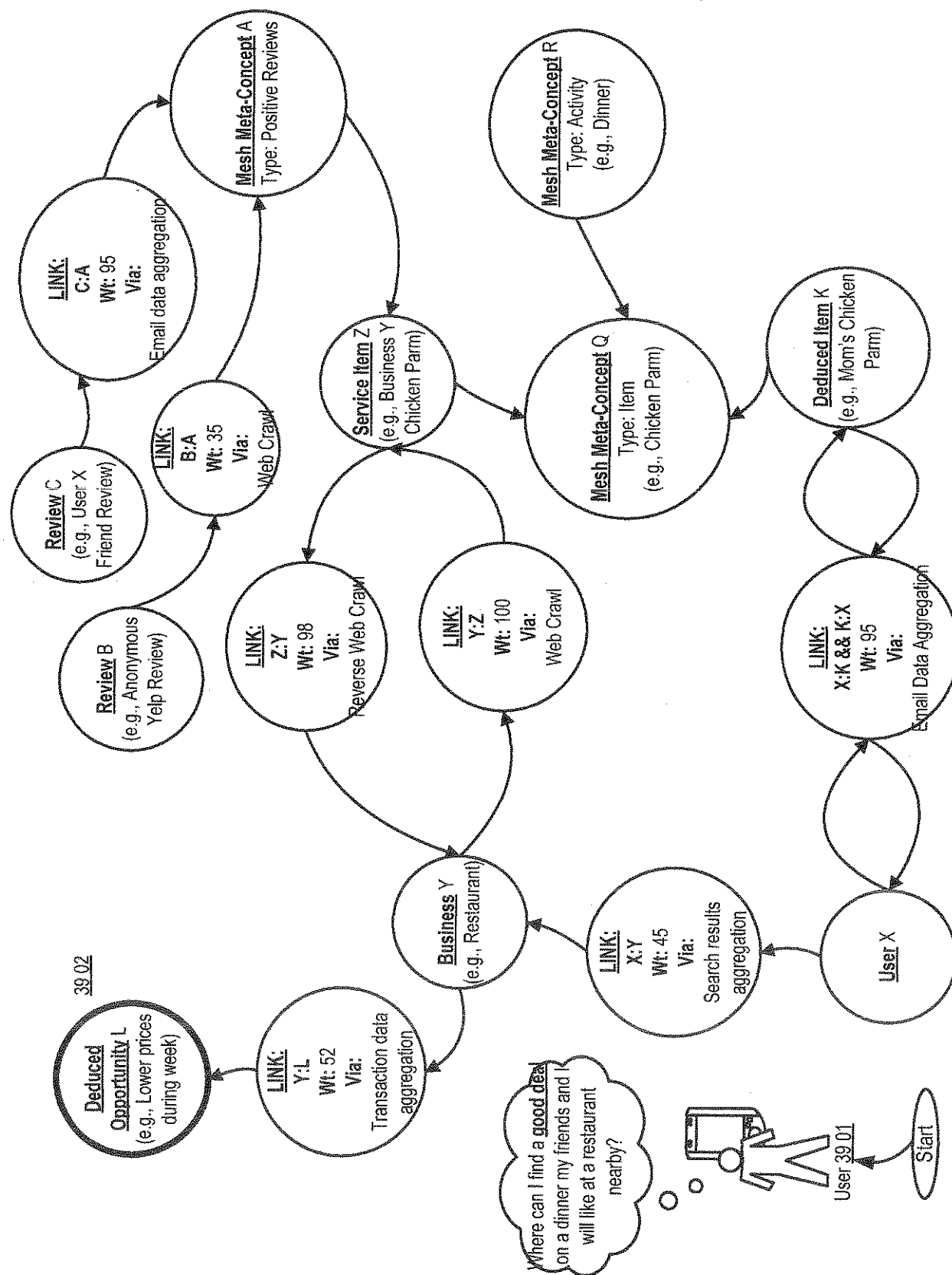


FIGURE 39A

Example: Distributed Linking Node Mesh Search

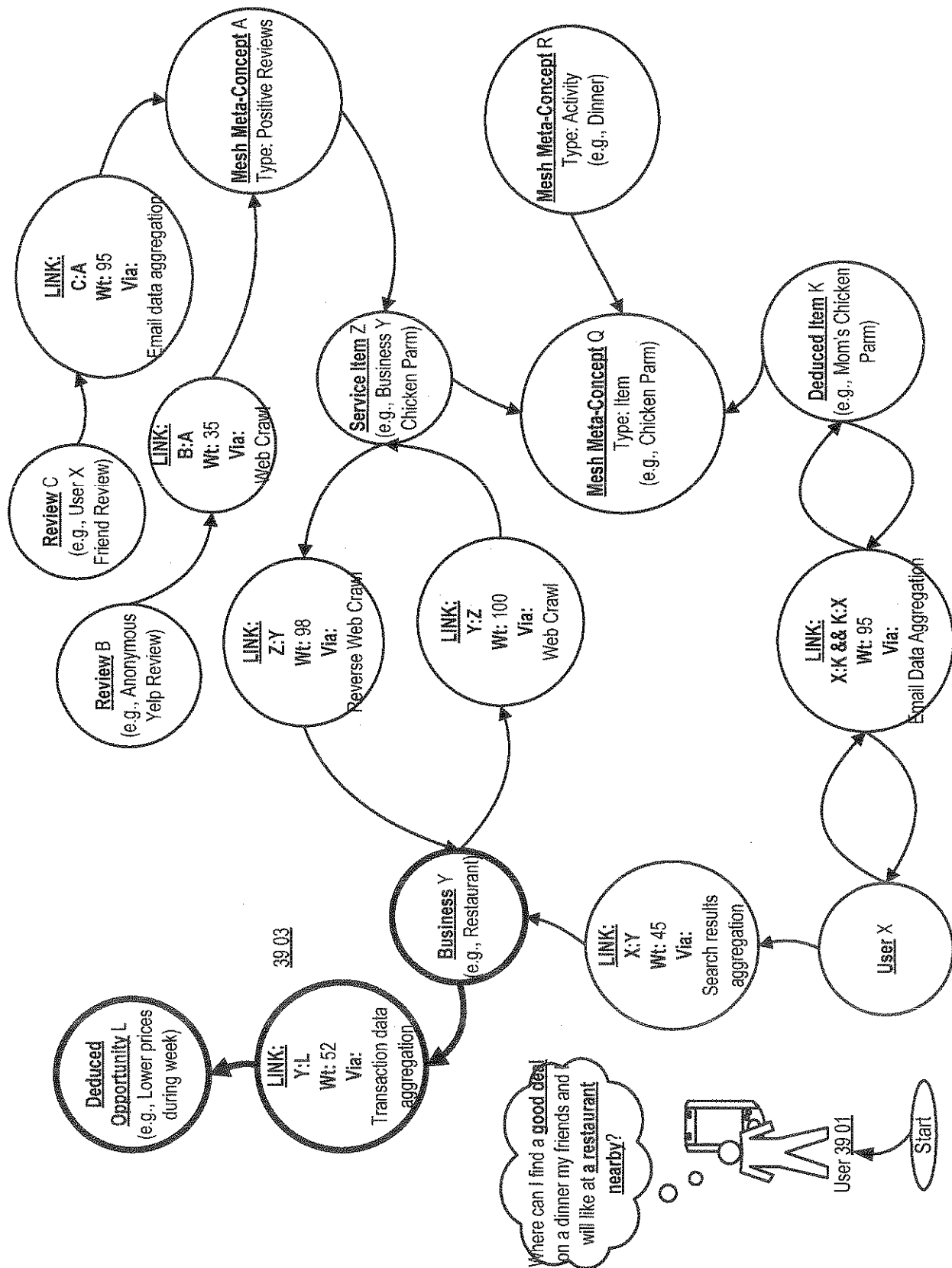
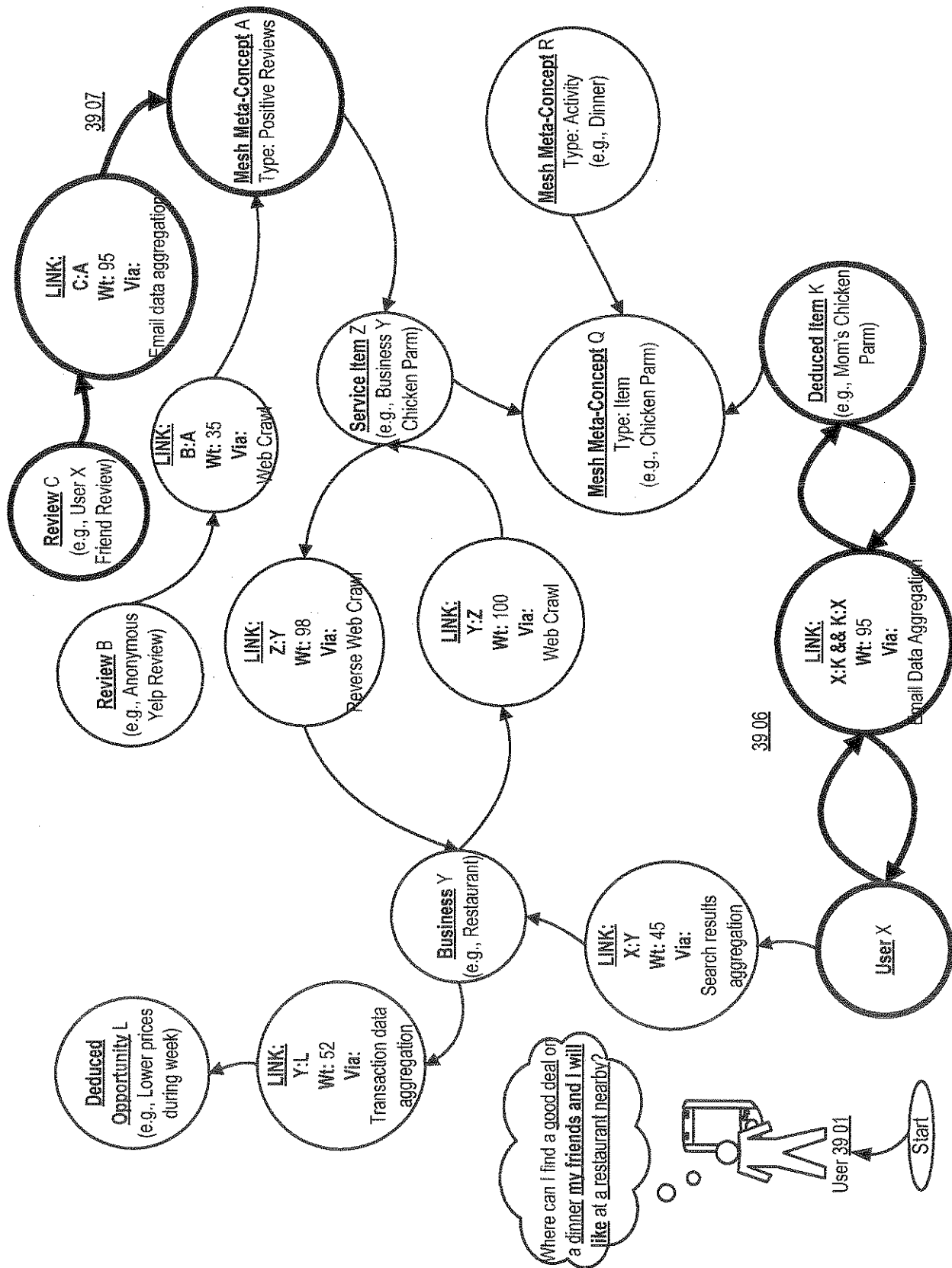


FIGURE 39B

Example: Distributed Linking Node Mesh Search



Example: Distributed Linking Node Mesh Search

FIGURE 39D

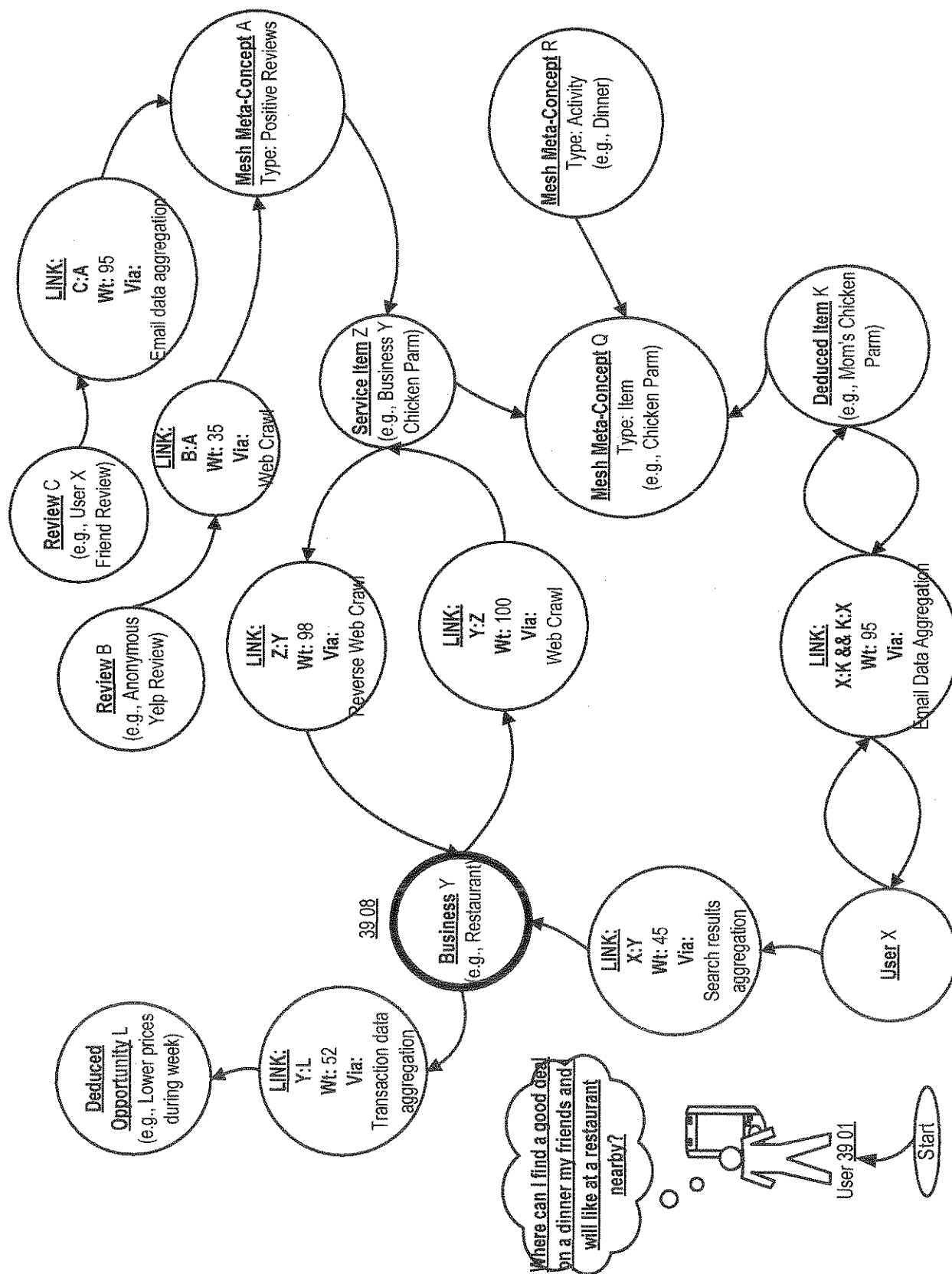
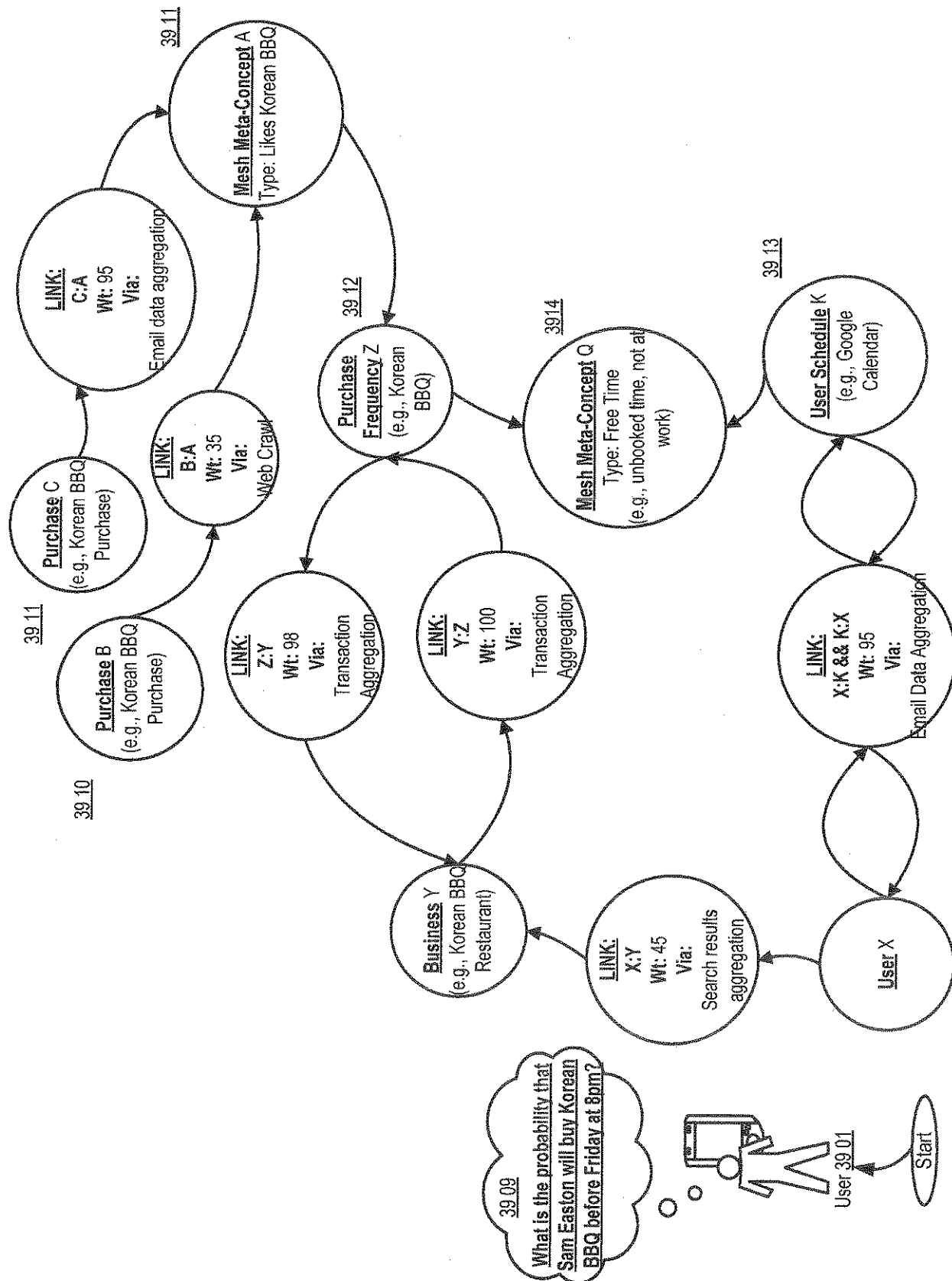


FIGURE 39E

Example: Distributed Linking Node Mesh Search



Example: Distributed Linking Node Mesh Search

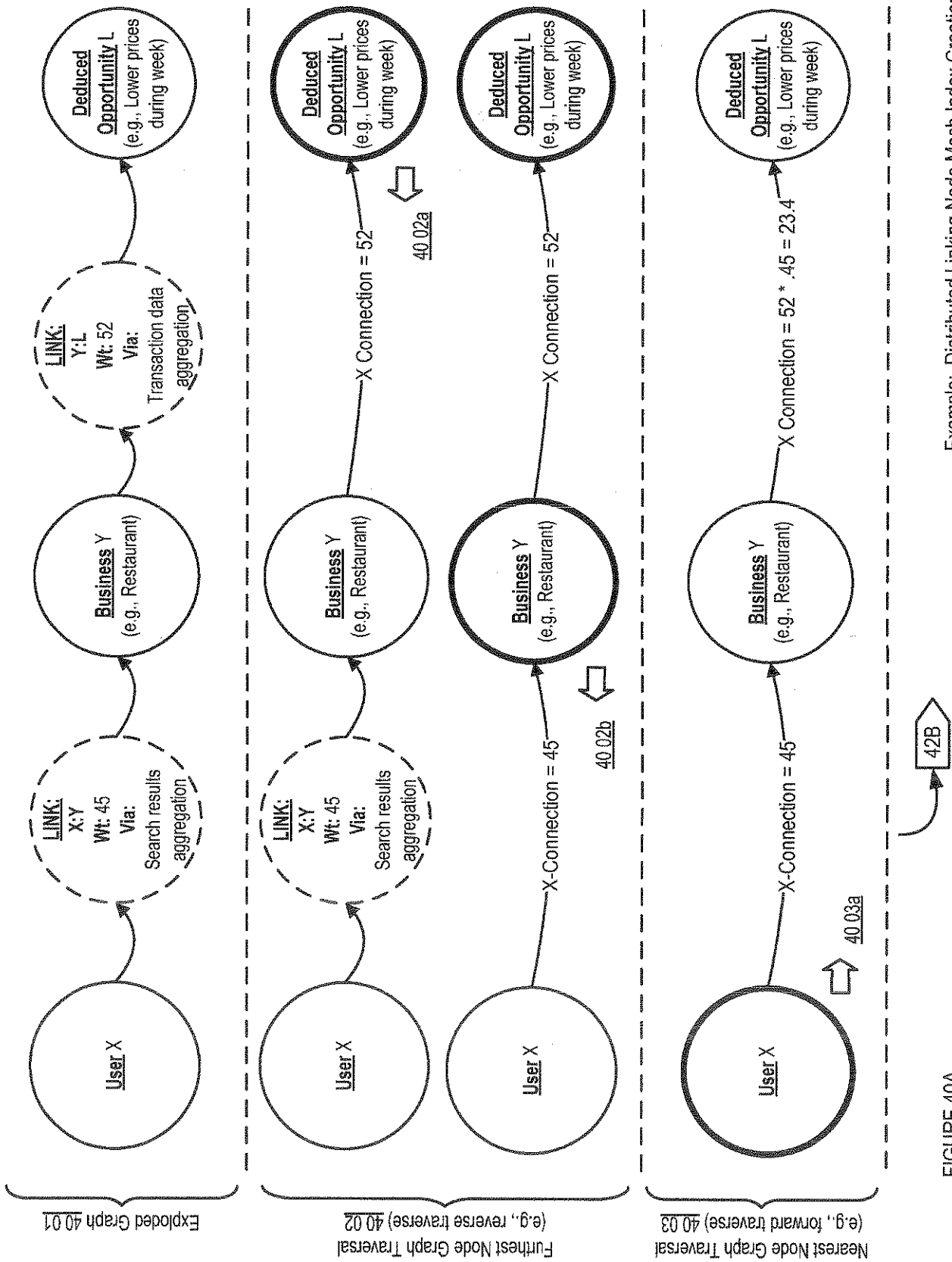


FIGURE 40A

Example: Distributed Linking Node Mesh Index Creation

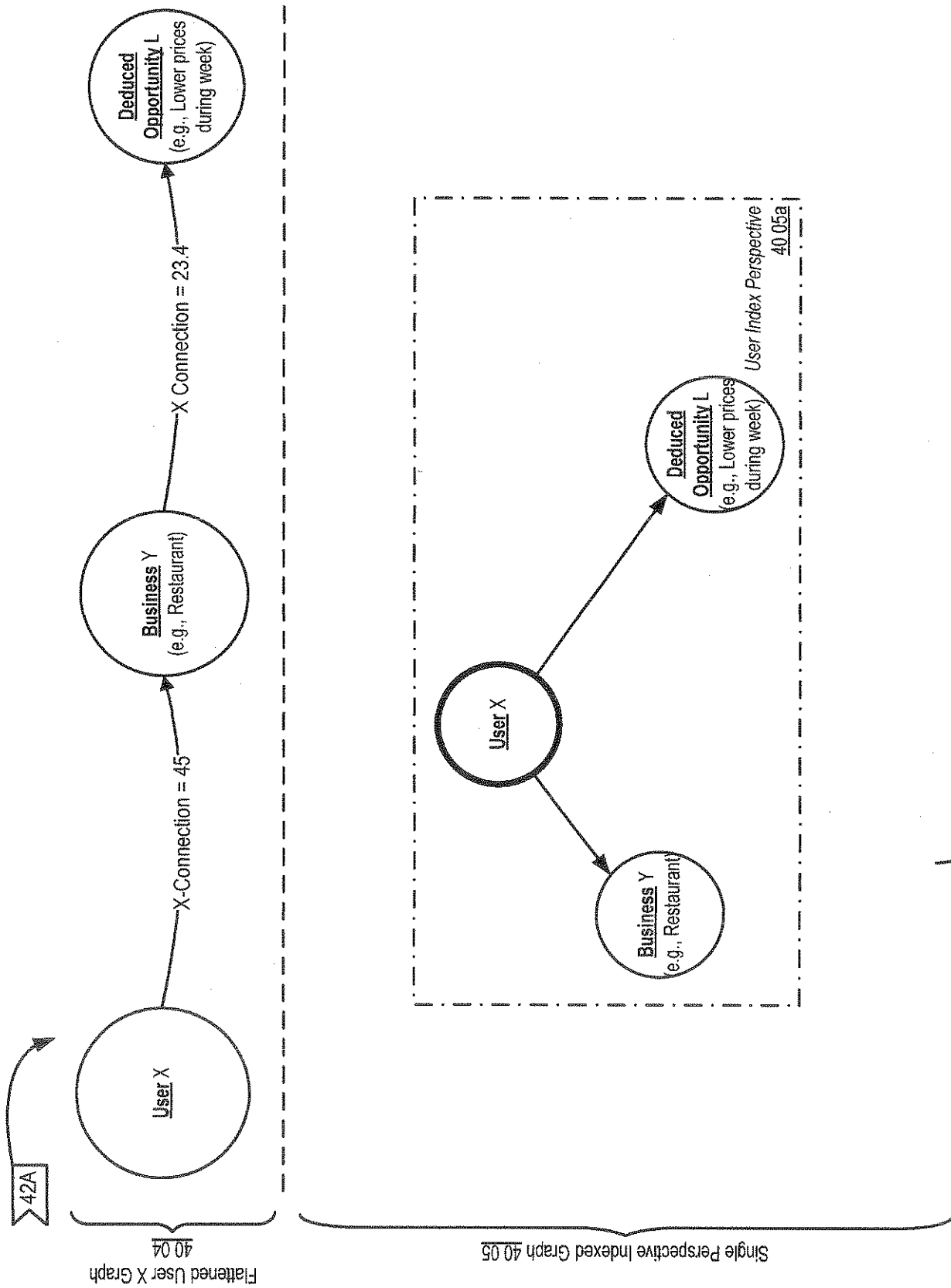


FIGURE 40B

Example: Distributed Linking Node Mesh Index Creation

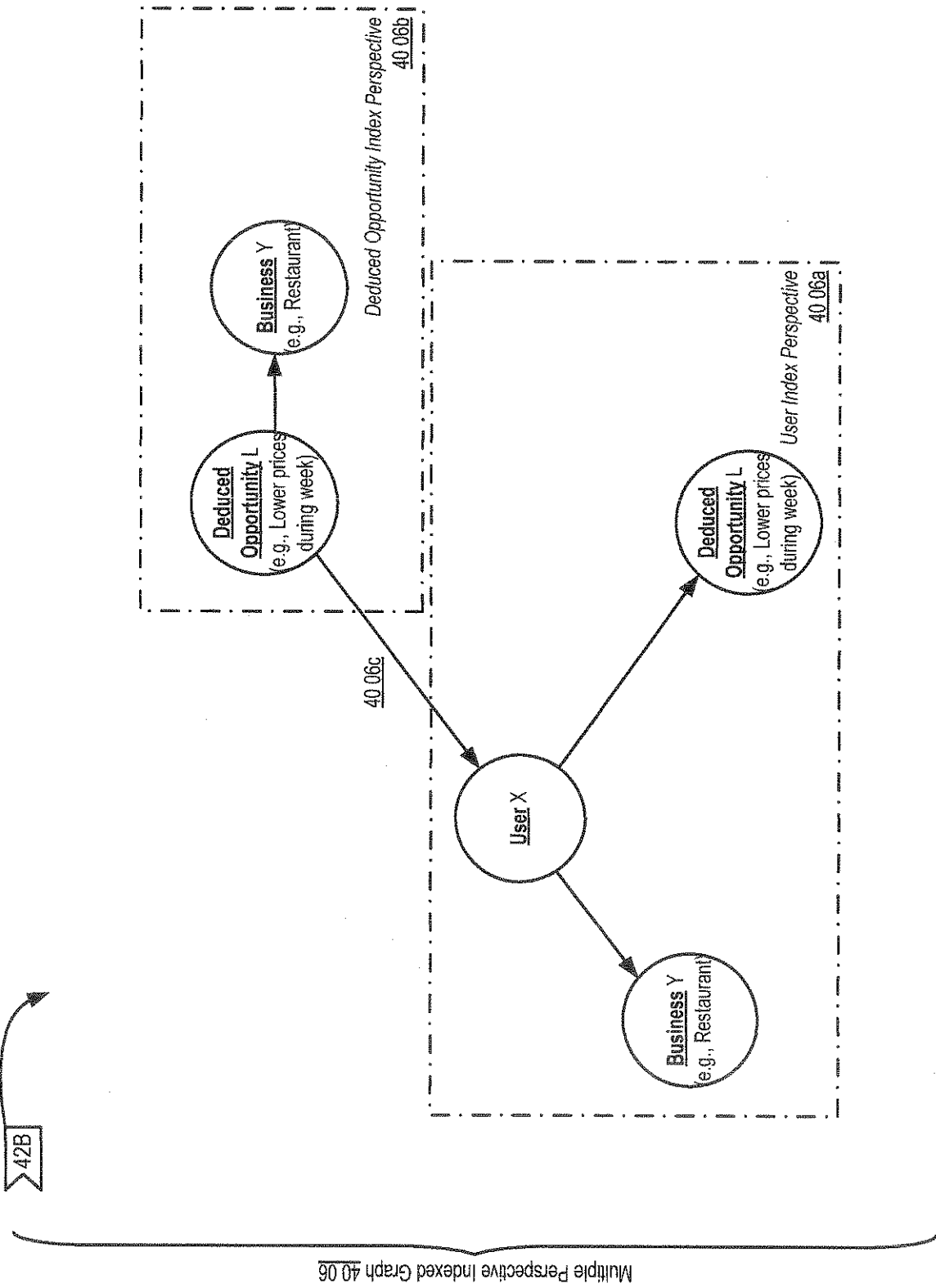


FIGURE 40C

Example: Distributed Linking Node Mesh Index Creation

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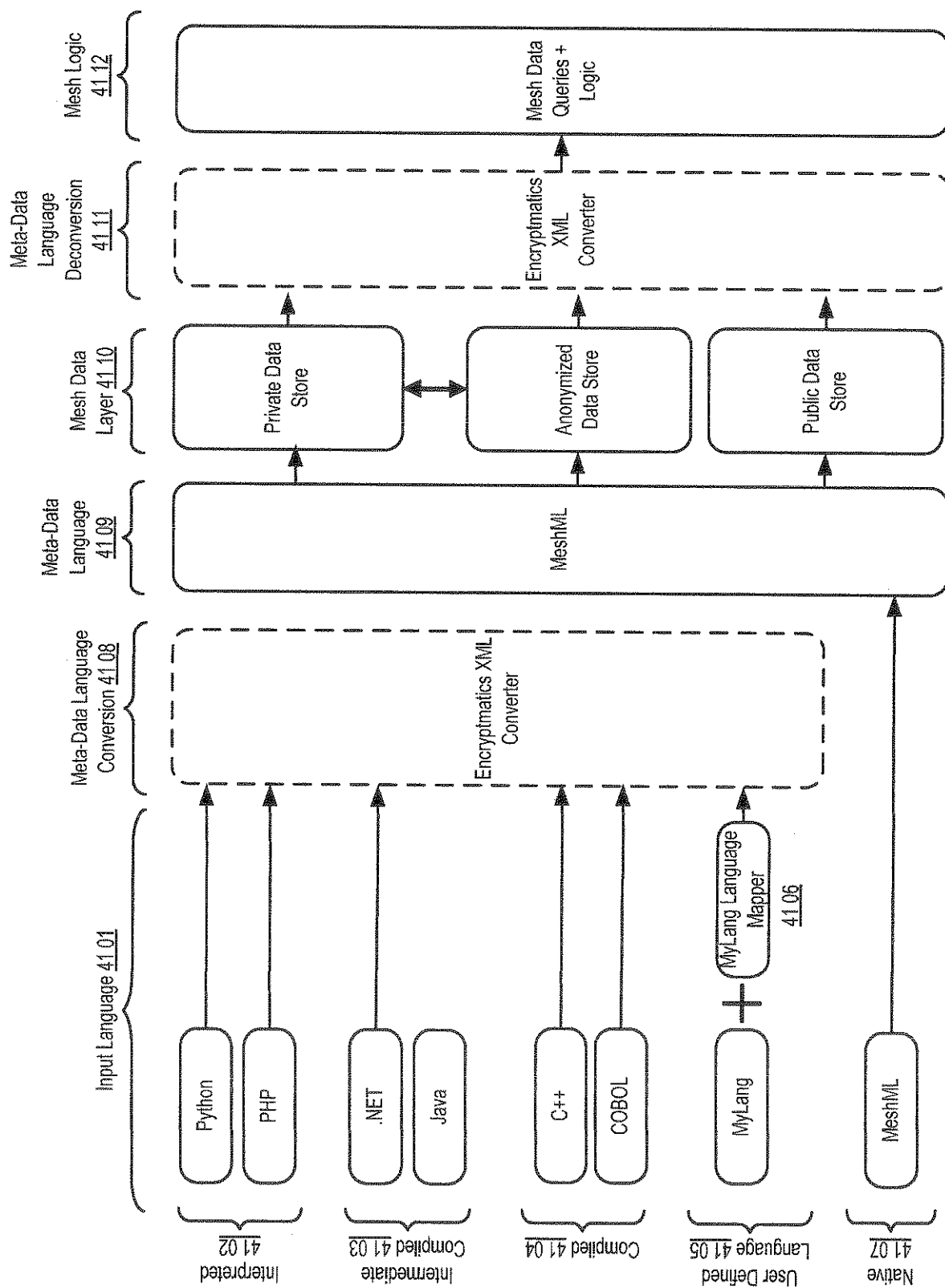
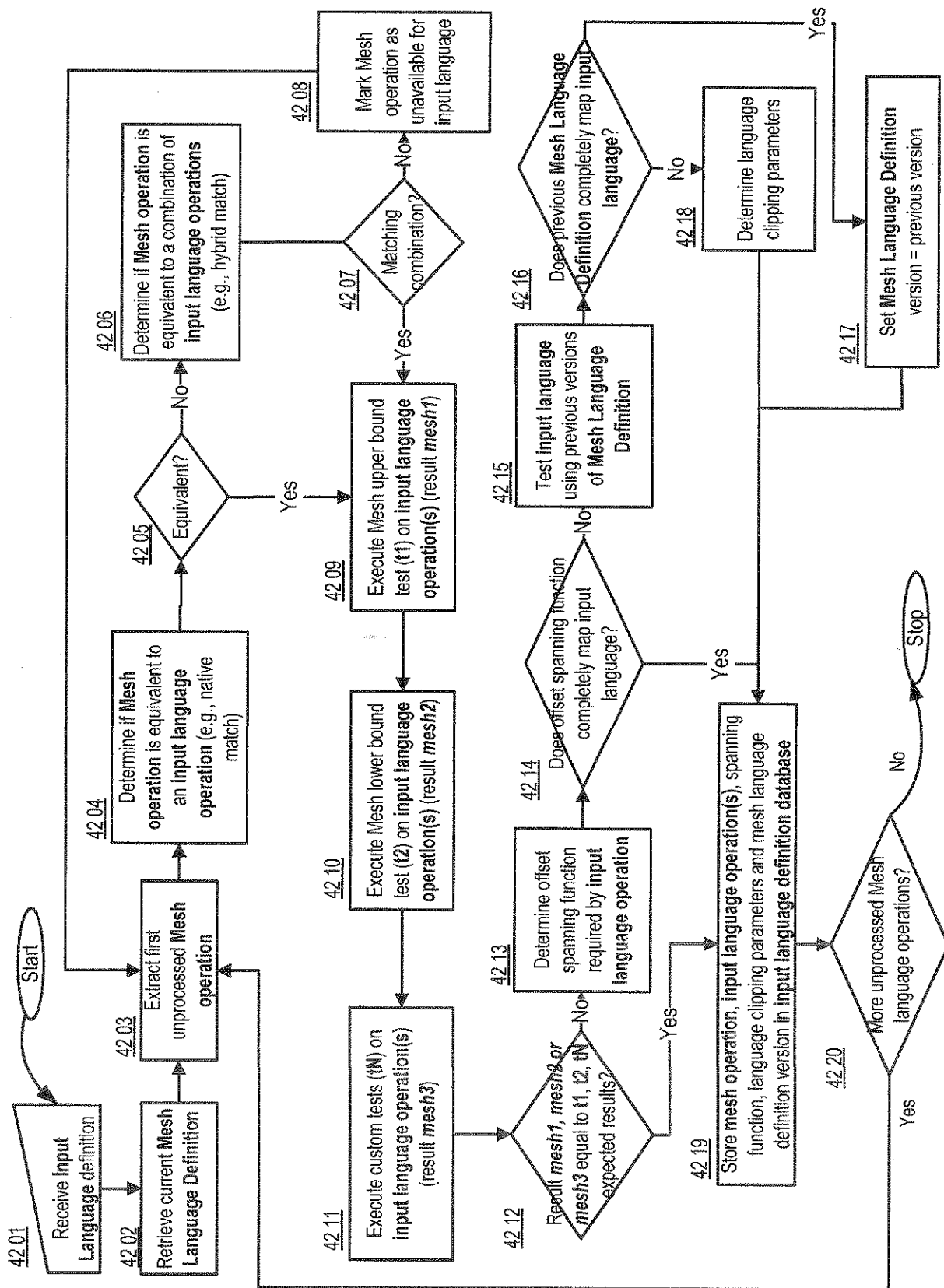


FIGURE 41

Example: Encryptmatics XML Converter (EXC) component



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

FIGURE 42

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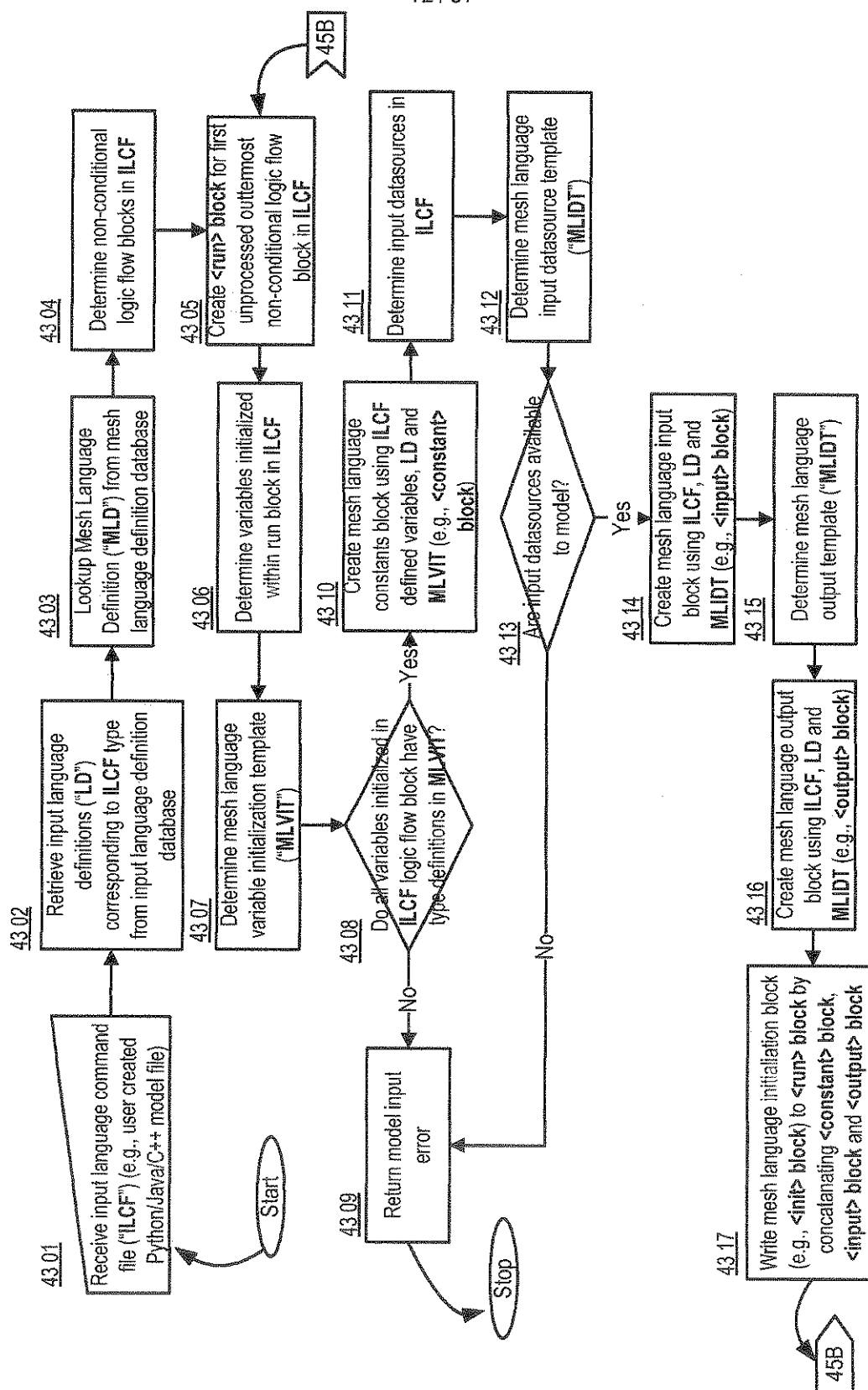


FIGURE 43A

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

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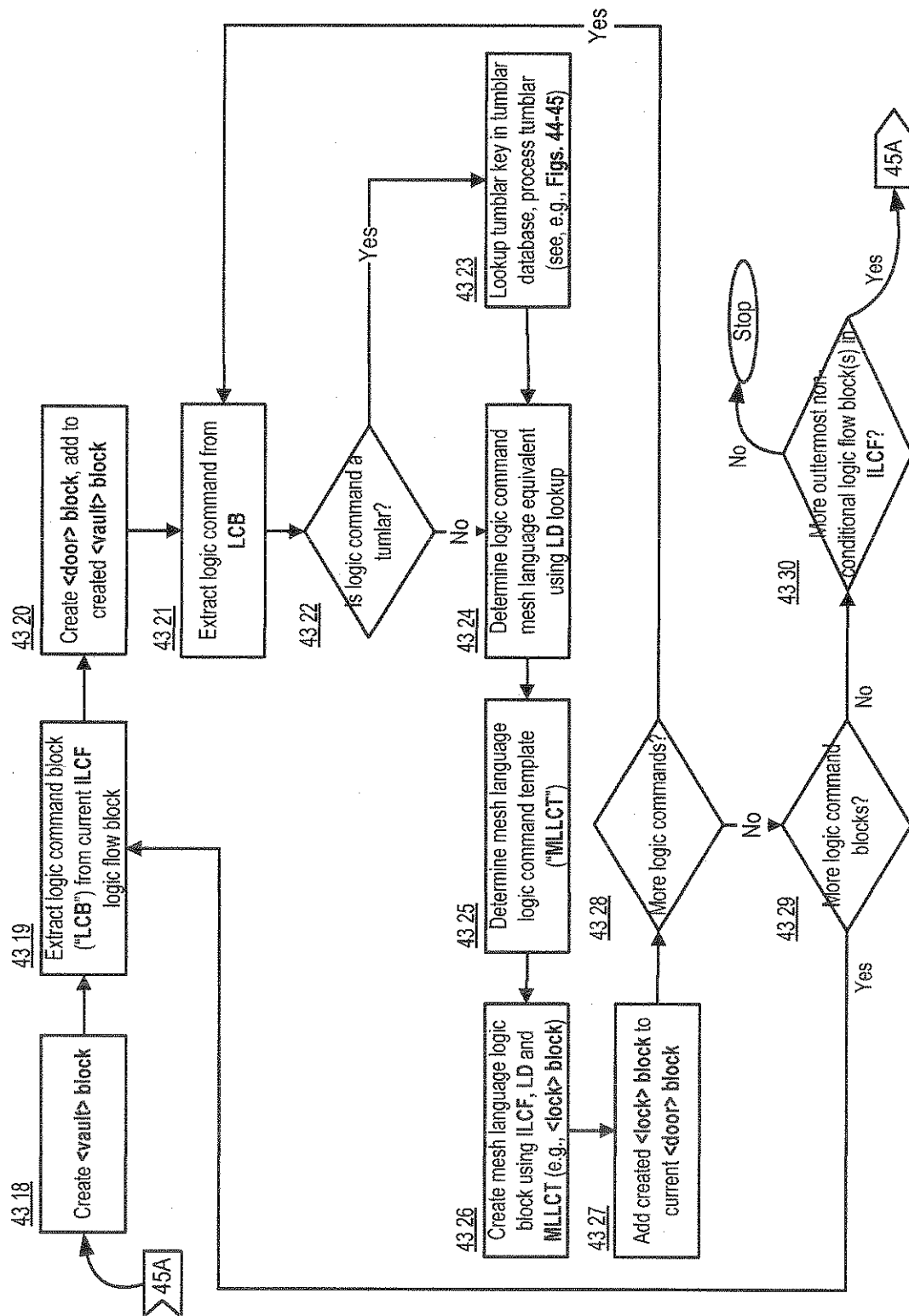


FIGURE 43B

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

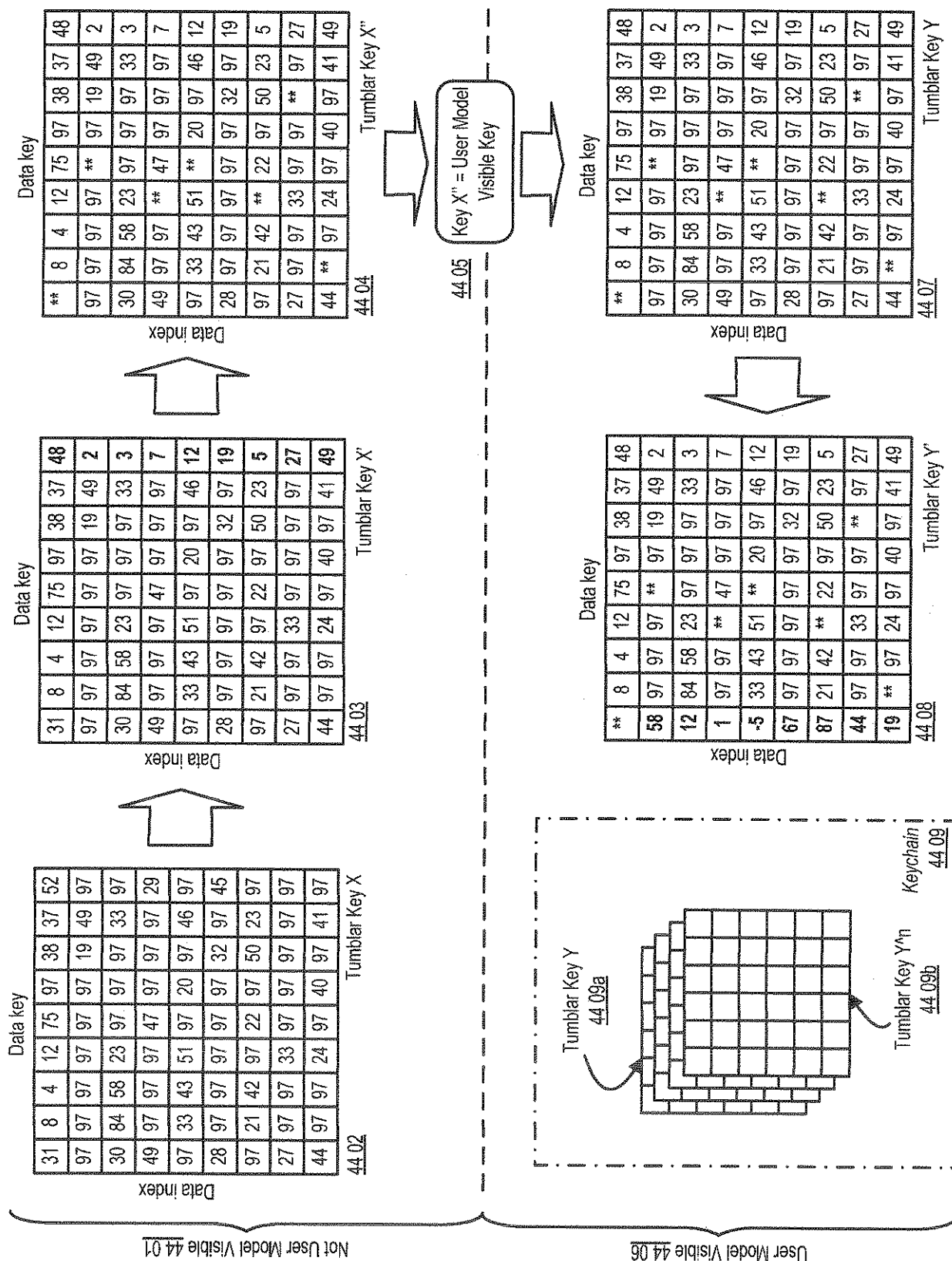


FIGURE 44

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

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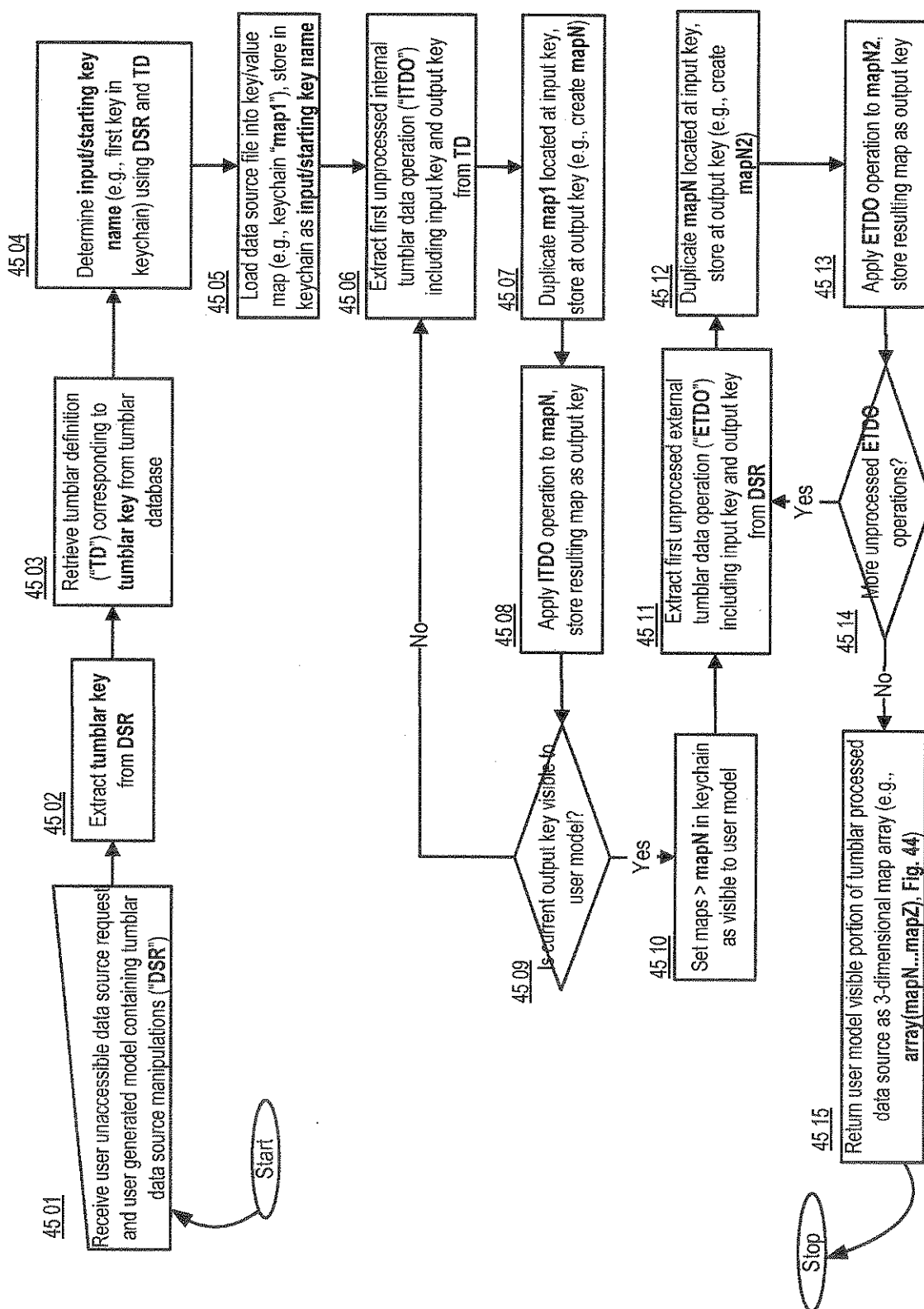


FIGURE 45

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

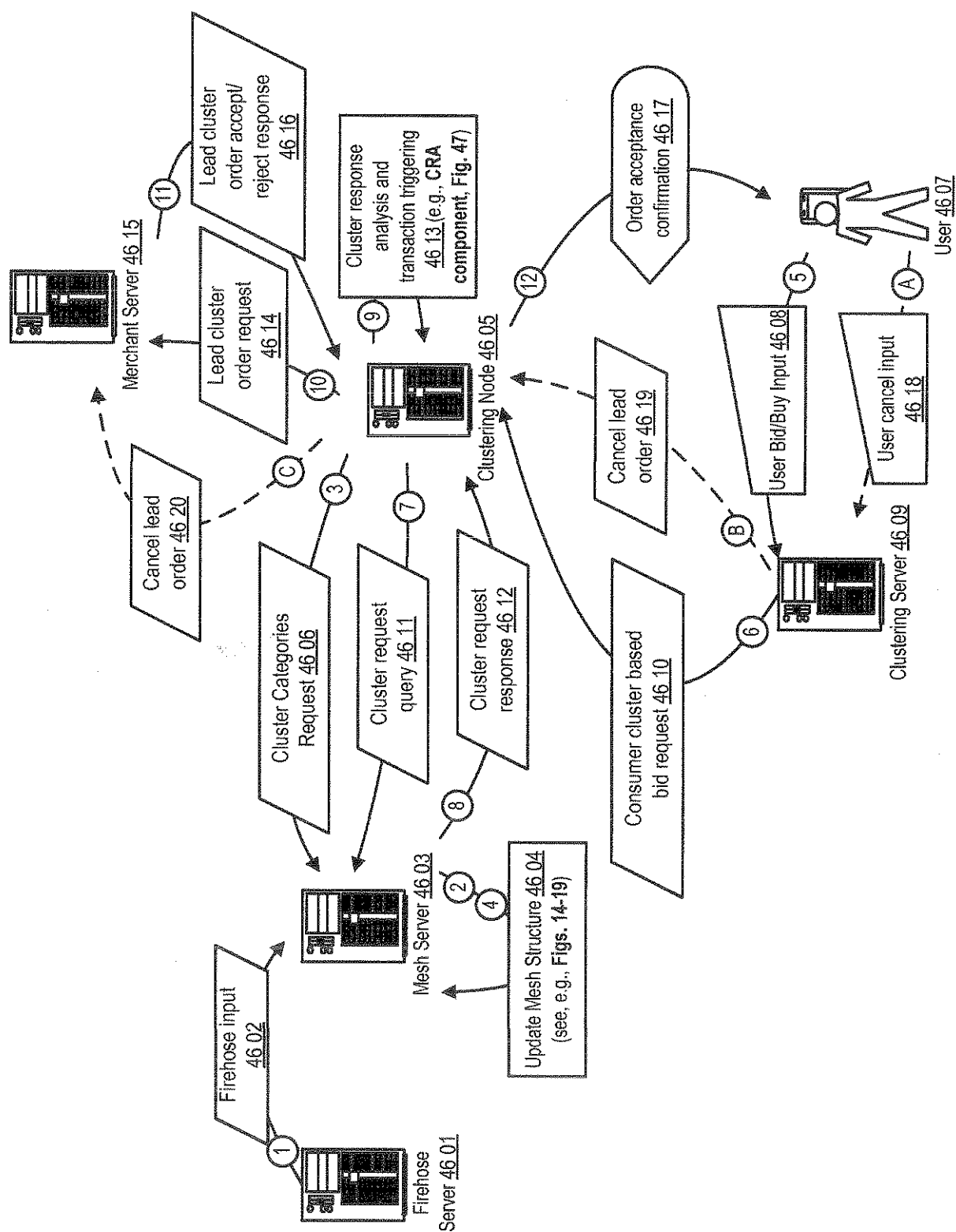


FIGURE 46

Example Data Flow: Mesh Aggregation and Cluster Querying

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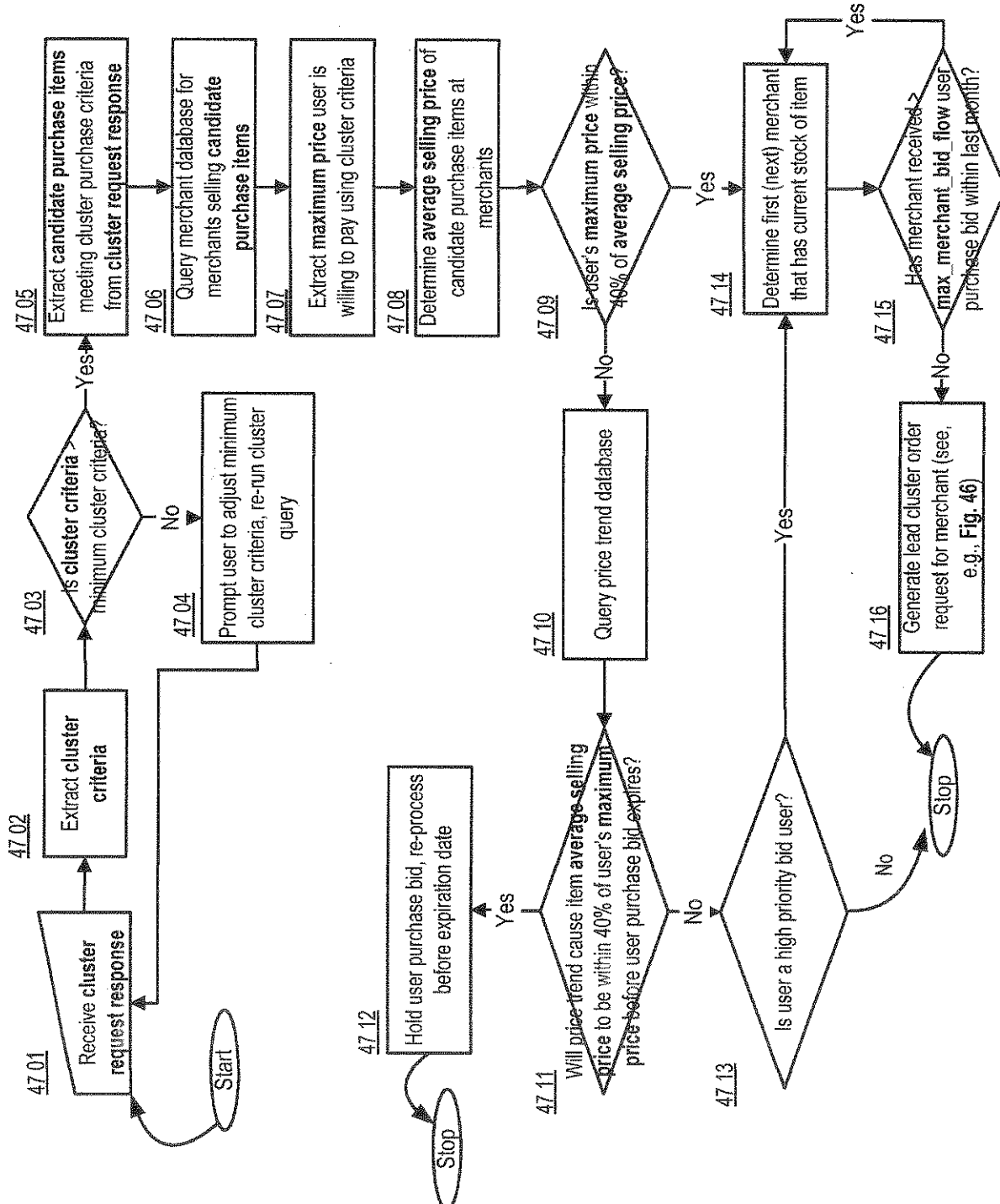


FIGURE 47 Example Logic Flow: Cluster Response Analysis and Transaction Triggering ("CRA") Component

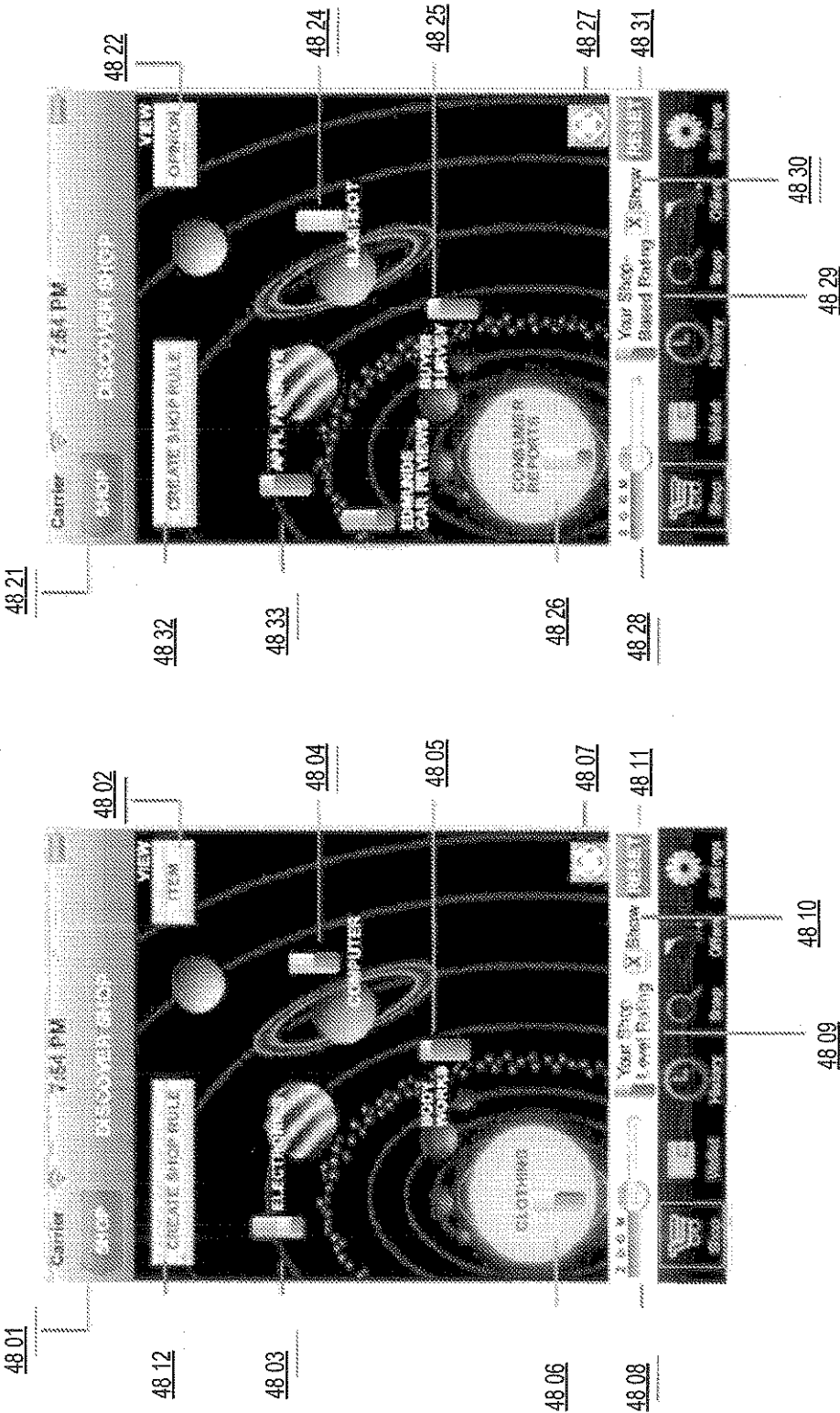


FIGURE 48A

Example: Application Embodiment – Discovery Shopping Mode

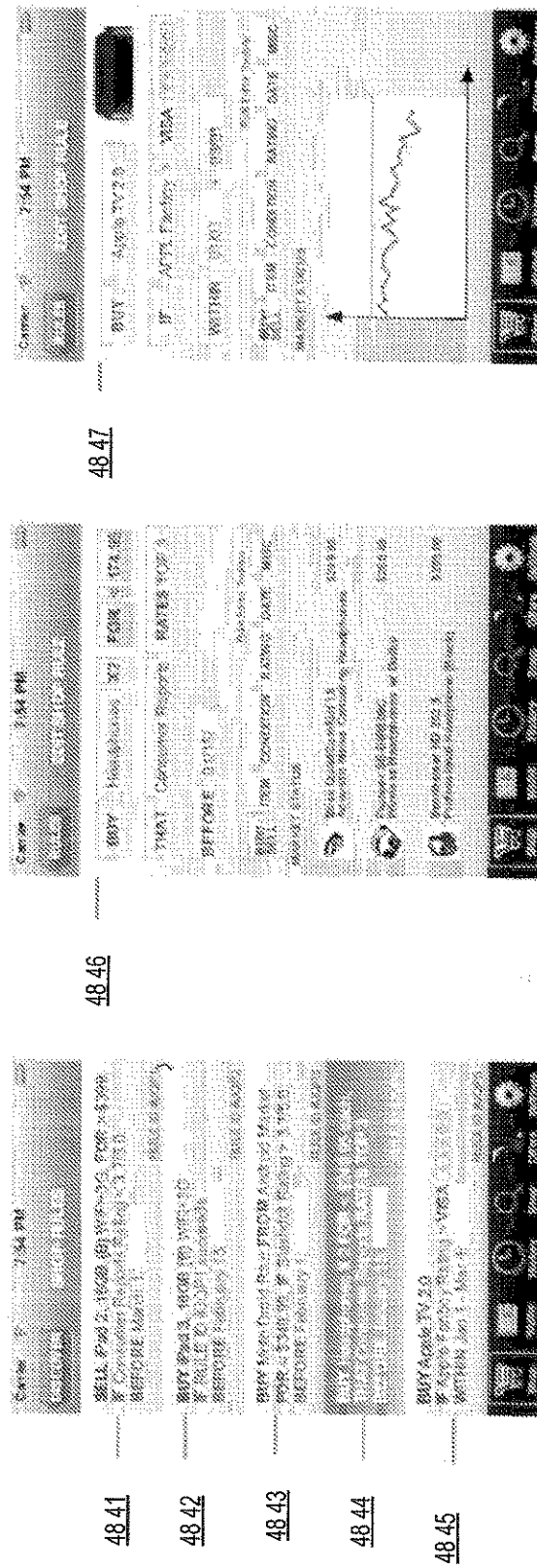


FIGURE 48B

Example: Application Embodiment – Discovery Shopping Mode

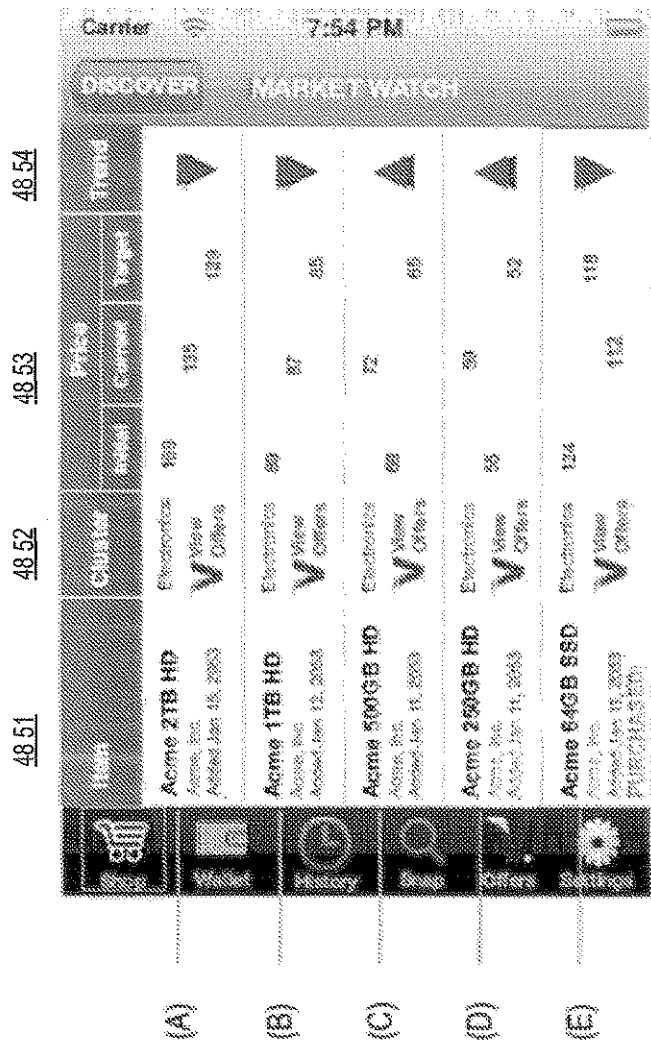


FIGURE 48C

Example: Application Embodiment – Discovery Shopping Mode

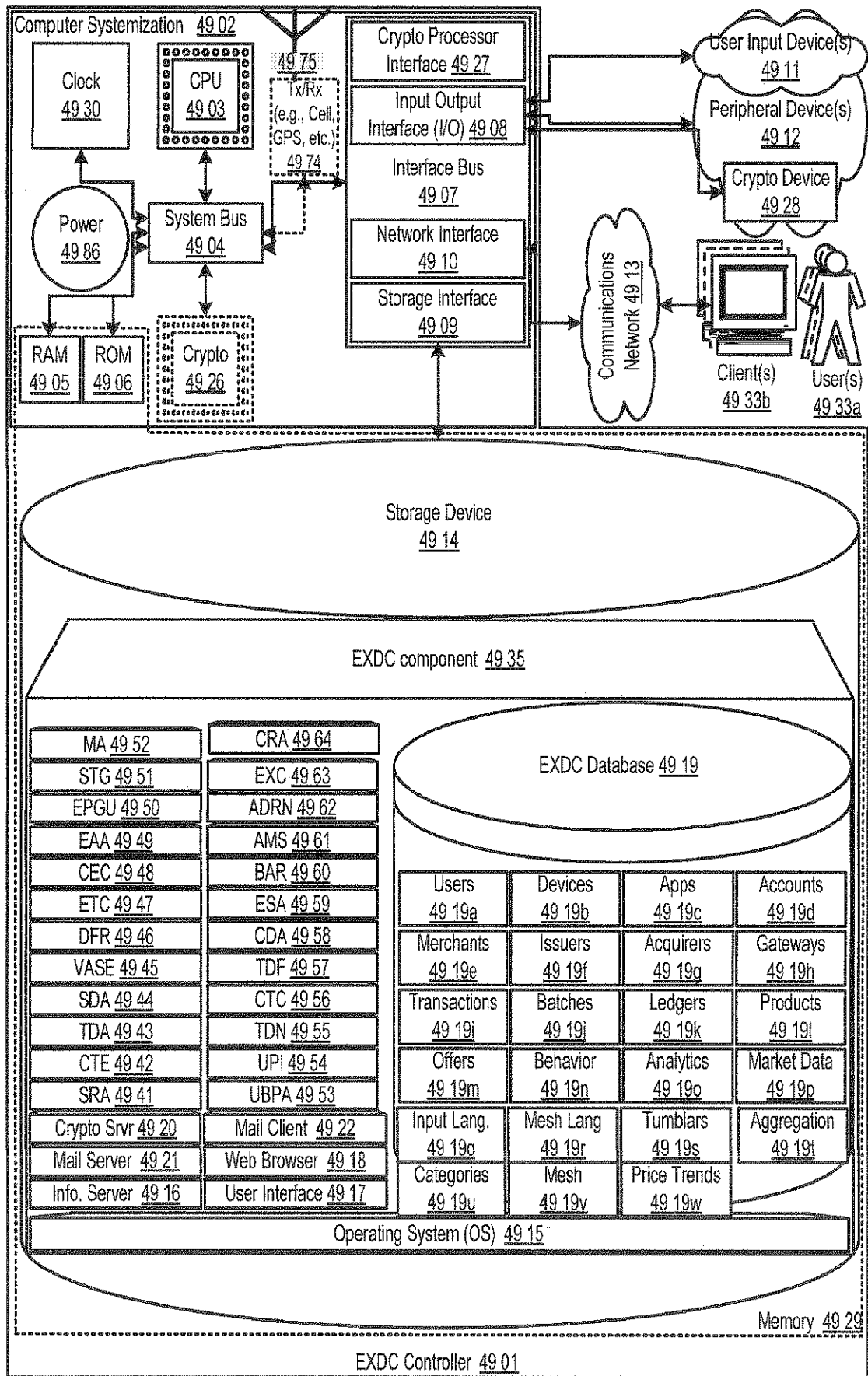


Figure 49