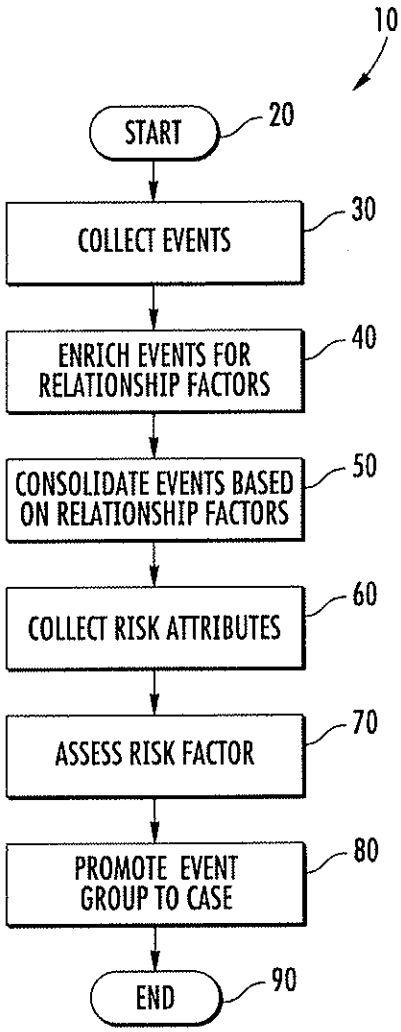

10
START
20
COLLECT EVENTS
30
ENRICH EVENTS FOR RELATIONSHIP FACTORS
40
CONSOLIDATE EVENTS BASED ON RELATIONSHIP FACTORS
50
COLLECT RISK ATTRIBUTES
60
ASSESS RISK FACTOR
70
PROMOTE EVENT GROUP TO CASE
80
END
90

FIG. 1

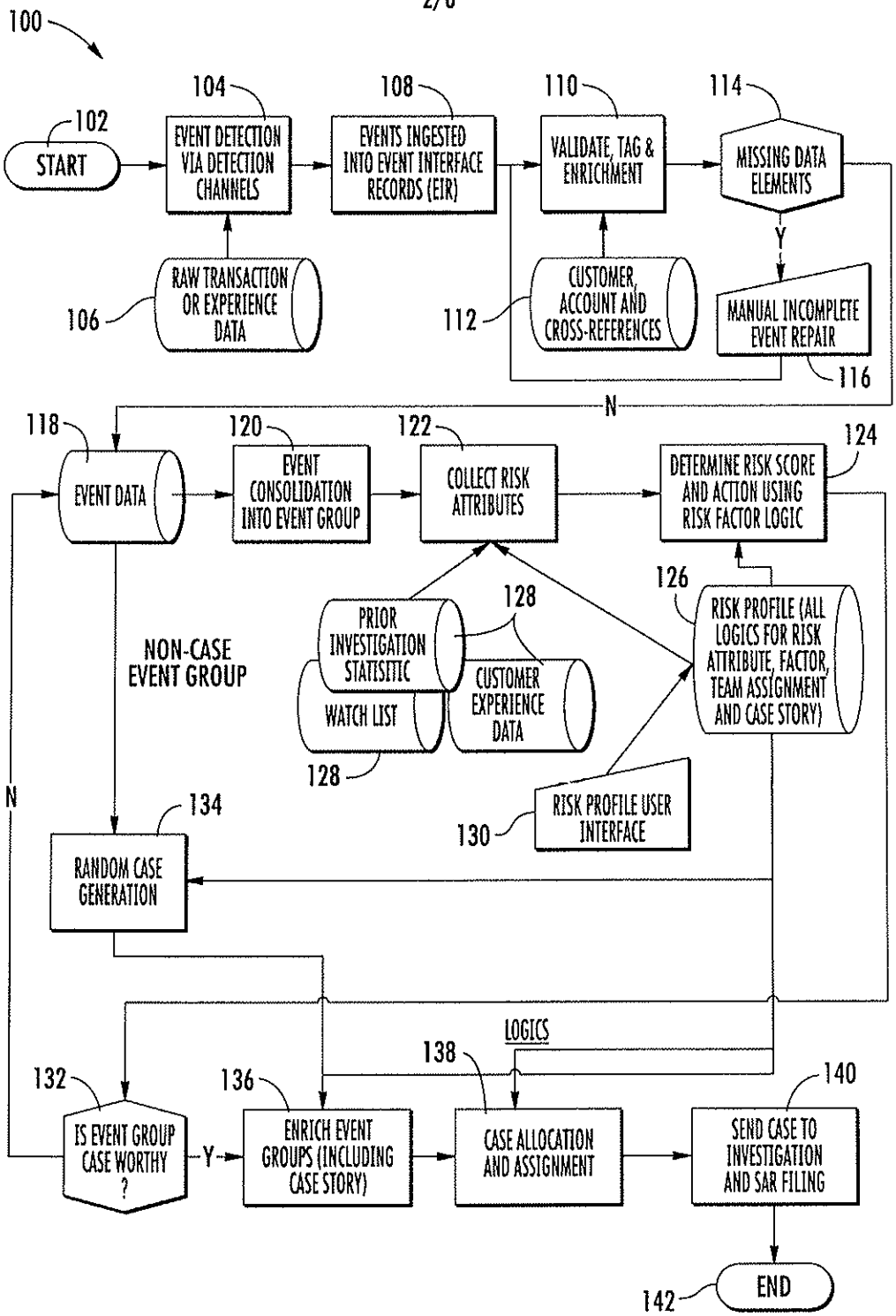

100
102
START
104
EVENT DETECTION VIA DETECTION CHANNELS
106
RAW TRANSACTION OR EXPERIENCE DATA
108
EVENTS INGESTED INTO EVENT INTERFACE RECORDS (EIR)
110
VALIDATE, TAG & ENRICHMENT
112
CUSTOMER, ACCOUNT AND CROSS-REFERENCES
114
MISSING DATA ELEMENTS
Y
MANUAL INCOMPLETE EVENT REPAIR
116
N
118
EVENT DATA
120
EVENT CONSOLIDATION INTO EVENT GROUP
122
COLLECT RISK ATTRIBUTES
124
DETERMINE RISK SCORE AND ACTION USING RISK FACTOR LOGIC
126
RISK PROFILE (ALL LOGICS FOR RISK ATTRIBUTE, FACTOR, TEAM ASSIGNMENT AND CASE STORY)
128
PRIOR INVESTIGATION STATISTIC
CUSTOMER EXPERIENCE DATA
WATCH LIST
128
NON-CASE EVENT GROUP
130
RISK PROFILE USER INTERFACE
N
134
RANDOM CASE GENERATION
LOGICS
138
132
IS EVENT GROUP CASE WORTHY ?
Y
136
ENRICH EVENT GROUPS (INCLUDING CASE STORY)
CASE ALLOCATION AND ASSIGNMENT
140
SEND CASE TO INVESTIGATION AND SAR FILING
142
END

FIG. 2

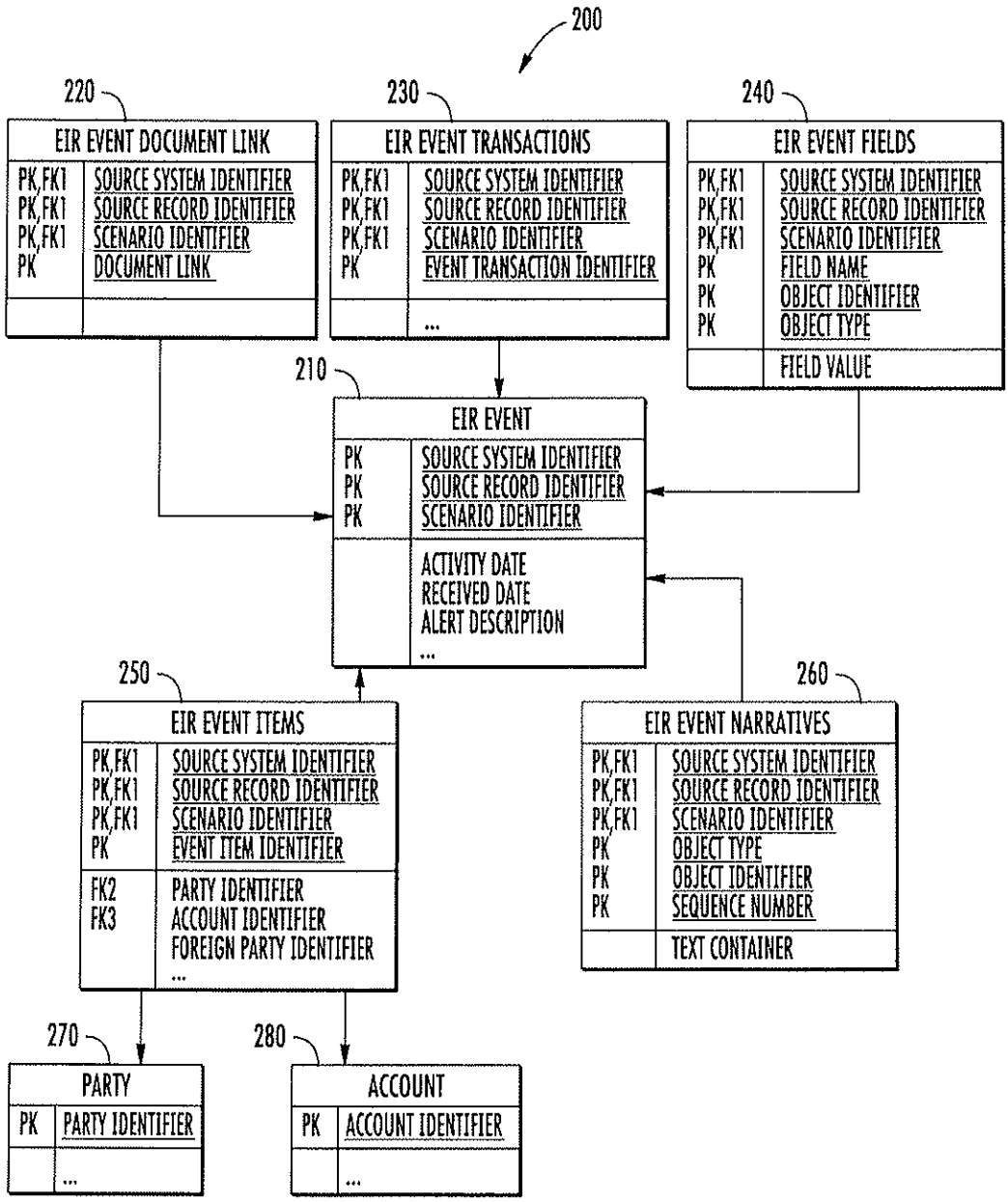

200
220
EIR EVENT DOCUMENT LINK
PK,FK1 SOURCE SYSTEM IDENTIFIER
PK,FK1 SOURCE RECORD IDENTIFIER
PK,FK1 SCENARIO IDENTIFIER
PK DOCUMENT LINK
230
EIR EVENT TRANSACTIONS
PK,FK1 SOURCE SYSTEM IDENTIFIER
PK,FK1 SOURCE RECORD IDENTIFIER
PK,FK1 SCENARIO IDENTIFIER
PK EVENT TRANSACTION IDENTIFIER
...
240
EIR EVENT FIELDS
PK,FK1 SOURCE SYSTEM IDENTIFIER
PK,FK1 SOURCE RECORD IDENTIFIER
PK,FK1 SCENARIO IDENTIFIER
PK FIELD NAME
PK OBJECT IDENTIFIER
PK OBJECT TYPE
FIELD VALUE
210
EIR EVENT
PK SOURCE SYSTEM IDENTIFIER
PK SOURCE RECORD IDENTIFIER
PK SCENARIO IDENTIFIER
ACTIVITY DATE
RECEIVED DATE
ALERT DESCRIPTION
...
250
EIR EVENT ITEMS
PK,FK1 SOURCE SYSTEM IDENTIFIER
PK,FK1 SOURCE RECORD IDENTIFIER
PK,FK1 SCENARIO IDENTIFIER
PK EVENT ITEM IDENTIFIER
FK2 PARTY IDENTIFIER
FK3 ACCOUNT IDENTIFIER
FOREIGN PARTY IDENTIFIER
...
260
EIR EVENT NARRATIVES
PK,FK1 SOURCE SYSTEM IDENTIFIER
PK,FK1 SOURCE RECORD IDENTIFIER
PK,FK1 SCENARIO IDENTIFIER
PK OBJECT TYPE
PK OBJECT IDENTIFIER
PK SEQUENCE NUMBER
TEXT CONTAINER
270
PARTY
PK PARTY IDENTIFIER
...
280
ACCOUNT
PK ACCOUNT IDENTIFIER
...

FIG. 3

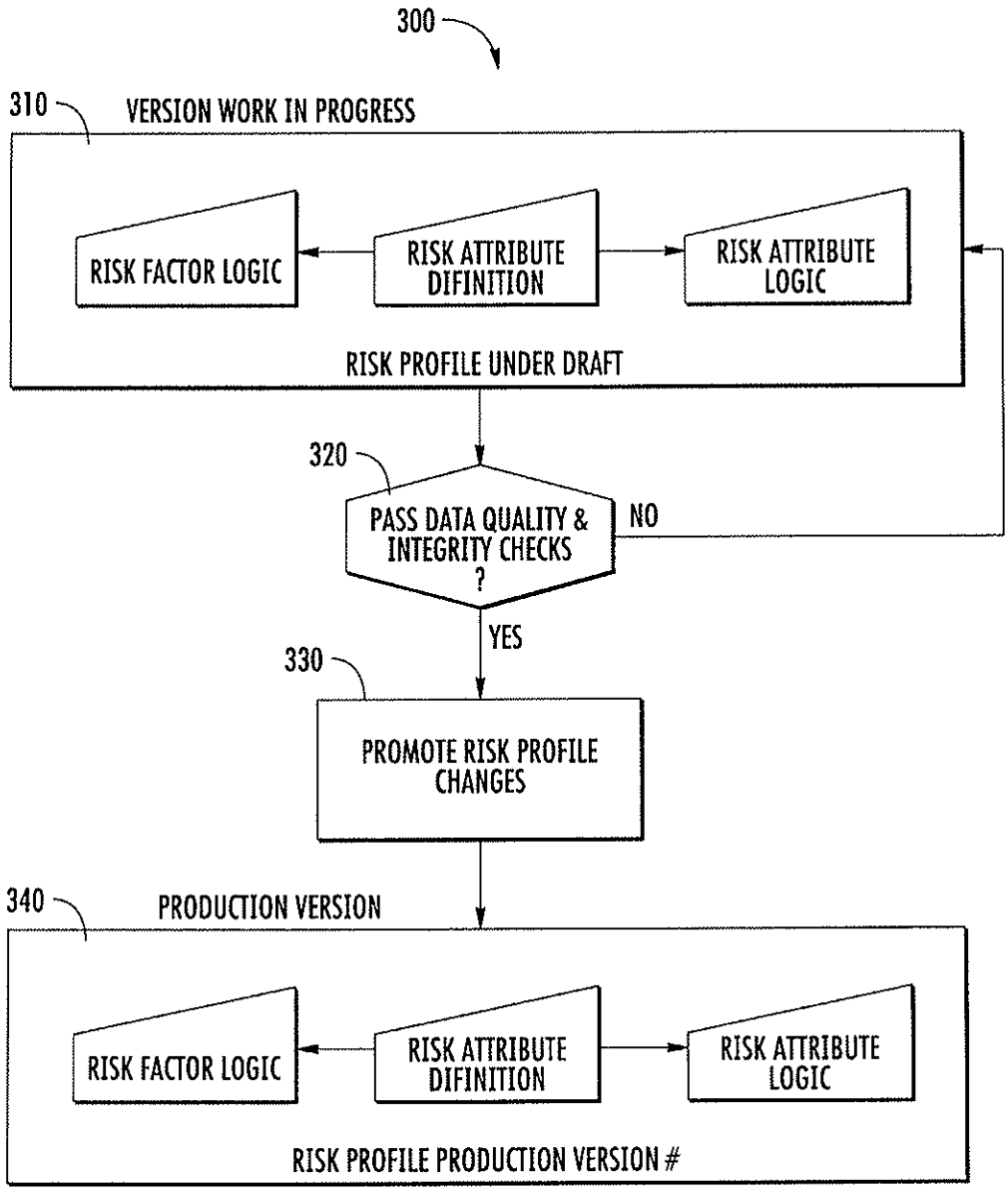

300
310
VERSION WORK IN PROGRESS
RISK FACTOR LOGIC
RISK ATTRIBUTE DIFINITION
RISK ATTRIBUTE LOGIC
RISK PROFILE UNDER DRAFT
320
PASS DATA QUALITY & INTEGRITY CHECKS ?
NO
YES
330
PROMOTE RISK PROFILE CHANGES
340
PRODUCTION VERSION
RISK FACTOR LOGIC
RISK ATTRIBUTE DIFINITION
RISK ATTRIBUTE LOGIC
RISK PROFILE PRODUCTION VERSION #

FIG. 4

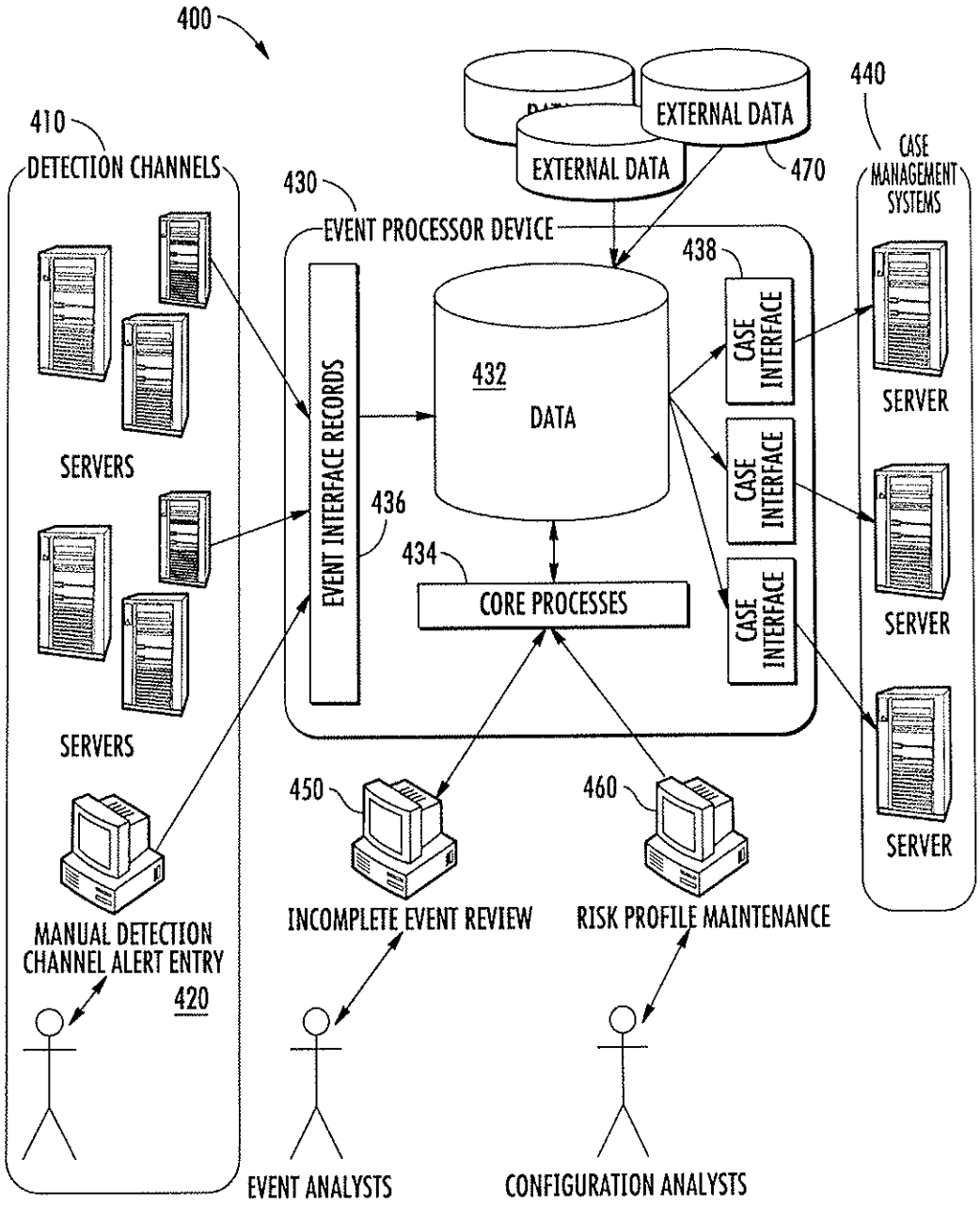

400
410
DETECTION CHANNELS
SERVERS
SERVERS
MANUAL DETECTION CHANNEL ALERT ENTRY
420
430
EVENT PROCESSOR DEVICE
EVENT INTERFACE RECORDS
436
432
DATA
434
CORE PROCESSES
438
CASE INTERFACE
CASE INTERFACE
CASE INTERFACE
EXTERNAL DATA
EXTERNAL DATA
470
440
CASE MANAGEMENT SYSTEMS
SERVER
SERVER
SERVER
450
INCOMPLETE EVENT REVIEW
460
RISK PROFILE MAINTENANCE
EVENT ANALYSTS
CONFIGURATION ANALYSTS

FIG. 5

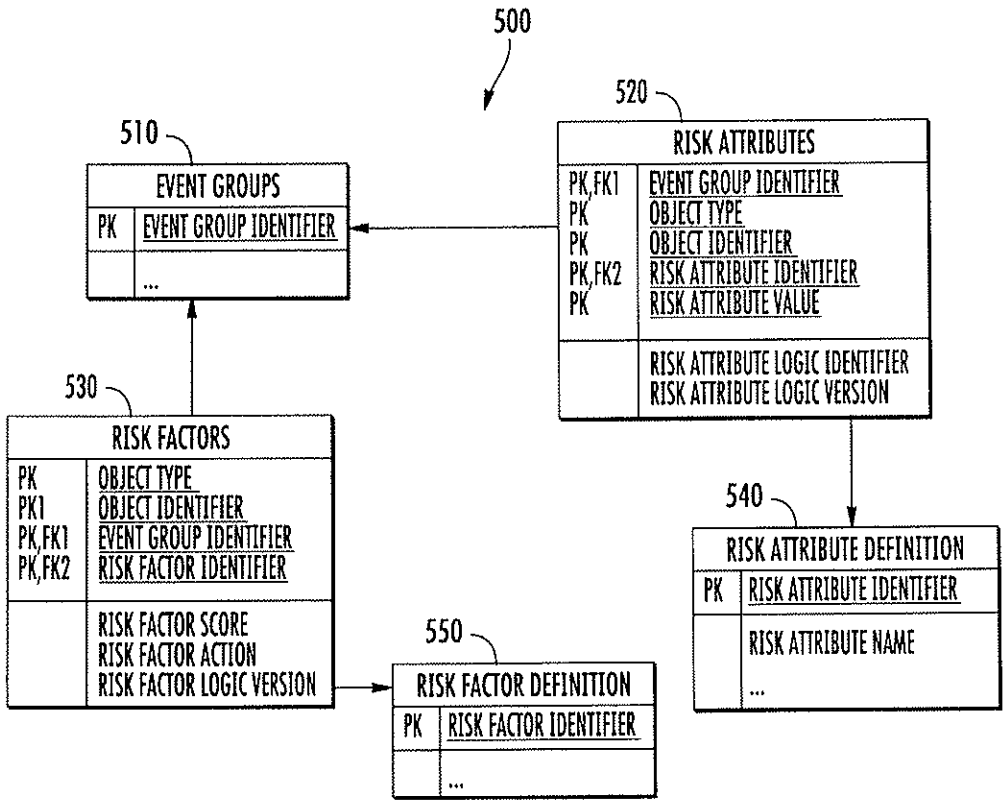

500
510
EVENT GROUPS
PK
EVENT GROUP IDENTIFIER
...
520
RISK ATTRIBUTES
PK,FK1
PK
PK
PK,FK2
PK
EVENT GROUP IDENTIFIER
OBJECT TYPE
OBJECT IDENTIFIER
RISK ATTRIBUTE IDENTIFIER
RISK ATTRIBUTE VALUE
RISK ATTRIBUTE LOGIC IDENTIFIER
RISK ATTRIBUTE LOGIC VERSION
530
RISK FACTORS
PK
PK1
PK,FK1
PK,FK2
OBJECT TYPE
OBJECT IDENTIFIER
EVENT GROUP IDENTIFIER
RISK FACTOR IDENTIFIER
RISK FACTOR SCORE
RISK FACTOR ACTION
RISK FACTOR LOGIC VERSION
540
RISK ATTRIBUTE DEFINITION
PK
RISK ATTRIBUTE IDENTIFIER
RISK ATTRIBUTE NAME
...
550
RISK FACTOR DEFINITION
PK
RISK FACTOR IDENTIFIER
...

FIG. 6