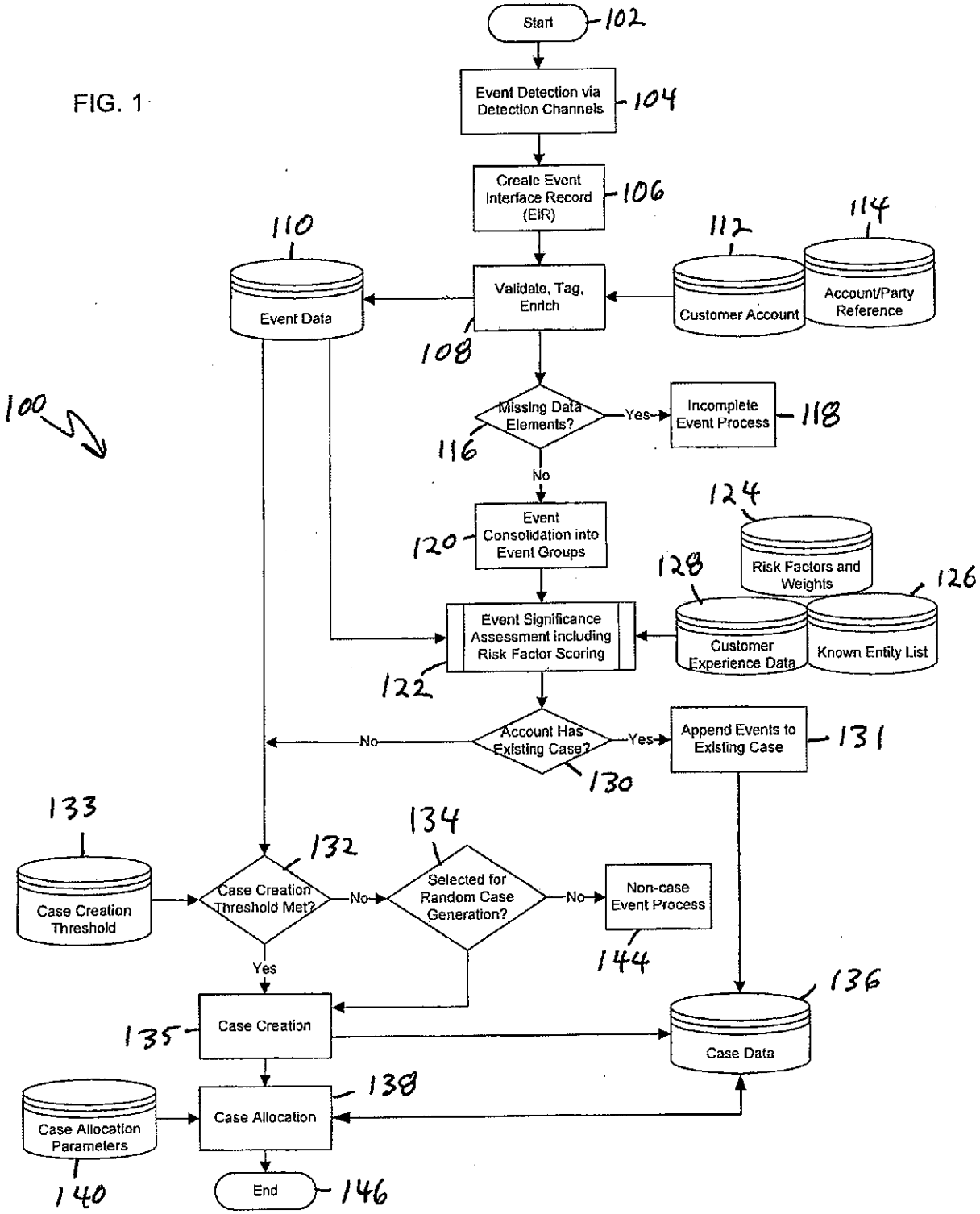
FIG. 1


Start
102
Event Detection via Detection Channels
104
Create Event Interface Record (EIR)
106
110
Event Data
112
Customer Account
114
Account/Party Reference
Validate, Tag, Enrich
108
100
Missing Data Elements?
116
Yes
Incomplete Event Process
118
No
Event Consolidation into Event Groups
120
124
Risk Factors and Weights
128
126
Customer Experience Data
Known Entity List
Event Significance Assessment including Risk Factor Scoring
122
Account Has Existing Case?
130
No
Yes
Append Events to Existing Case
131
133
Case Creation Threshold
132
Case Creation Threshold Met?
No
134
Selected for Random Case Generation?
No
Non-case Event Process
144
Yes
136
Case Creation
135
Case Data
Case Allocation
138
Case Allocation Parameters
140
End
146

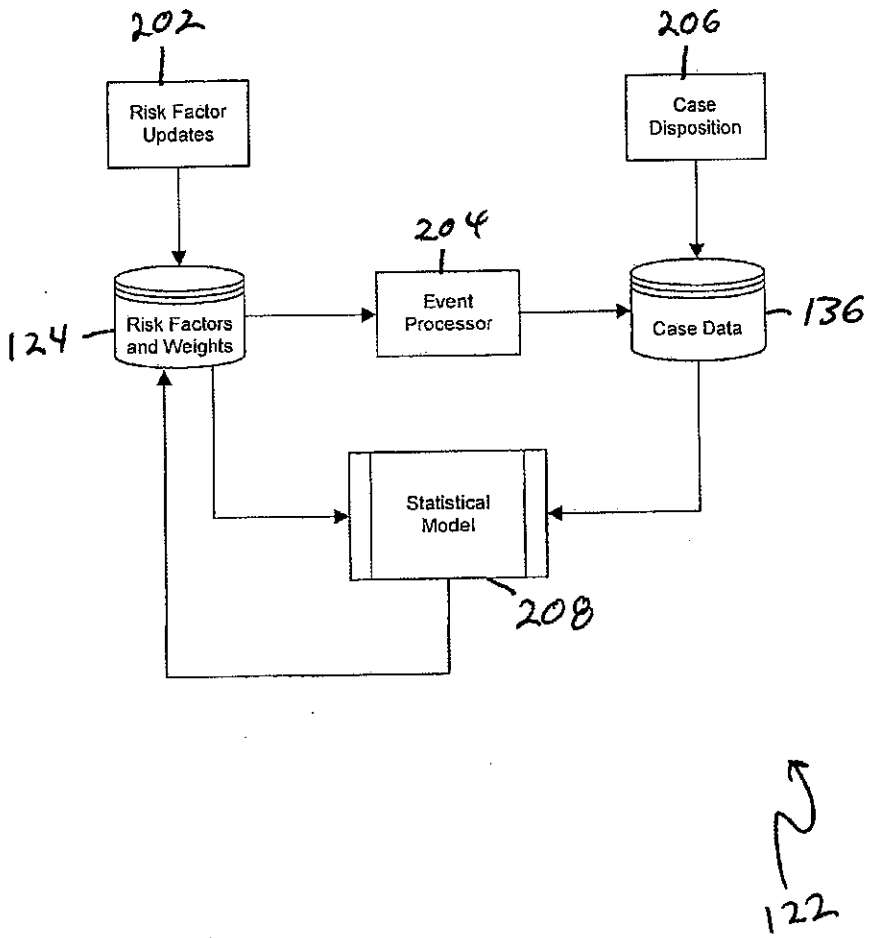

202
Risk Factor Updates
206
Case Disposition
204
Event Processor
124
Risk Factors and Weights
Case Data
136
Statistical Model
208
122

FIG. 2

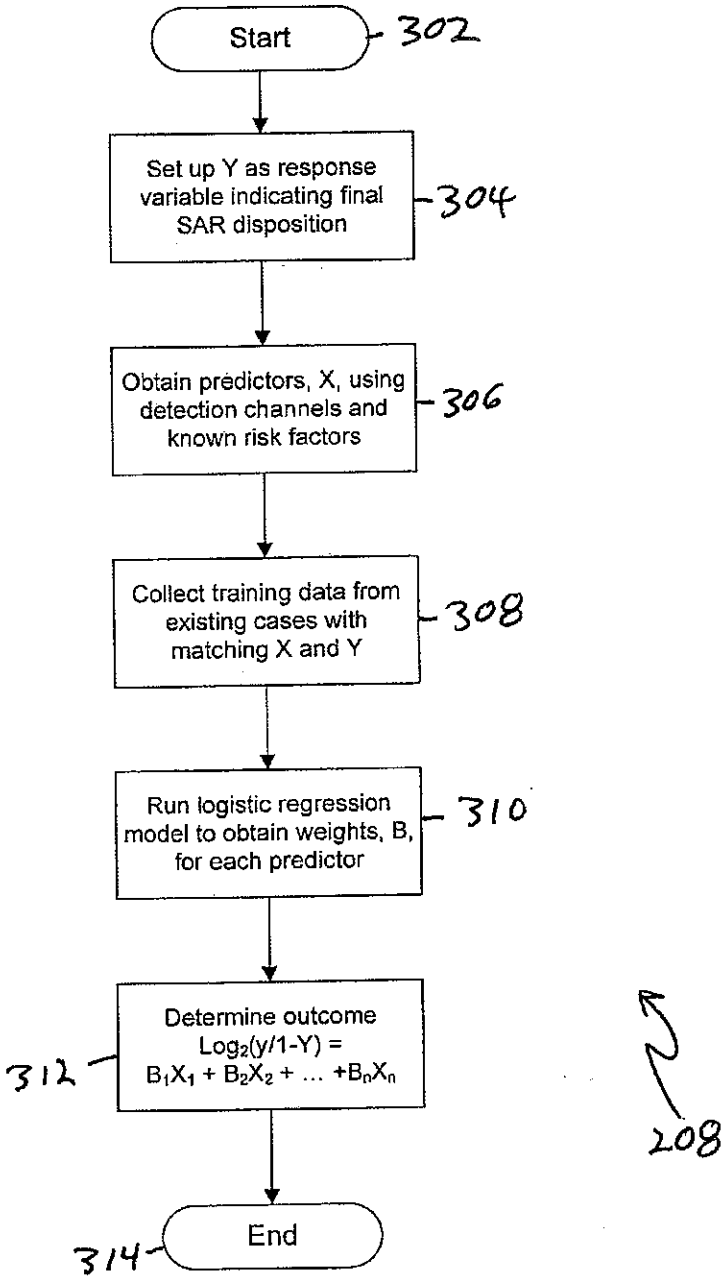

Start
302
Set up Y as response variable indicating final SAR disposition
304
Obtain predictors, X, using detection channels and known risk factors
306
Collect training data from existing cases with matching X and Y
308
Run logistic regression model to obtain weights, B, for each predictor
310
Determine outcome
$Log_2(y/1-Y) = B_1X_1 + B_2X_2 + \ldots + B_nX_n$
312
208
End
314

FIG. 3

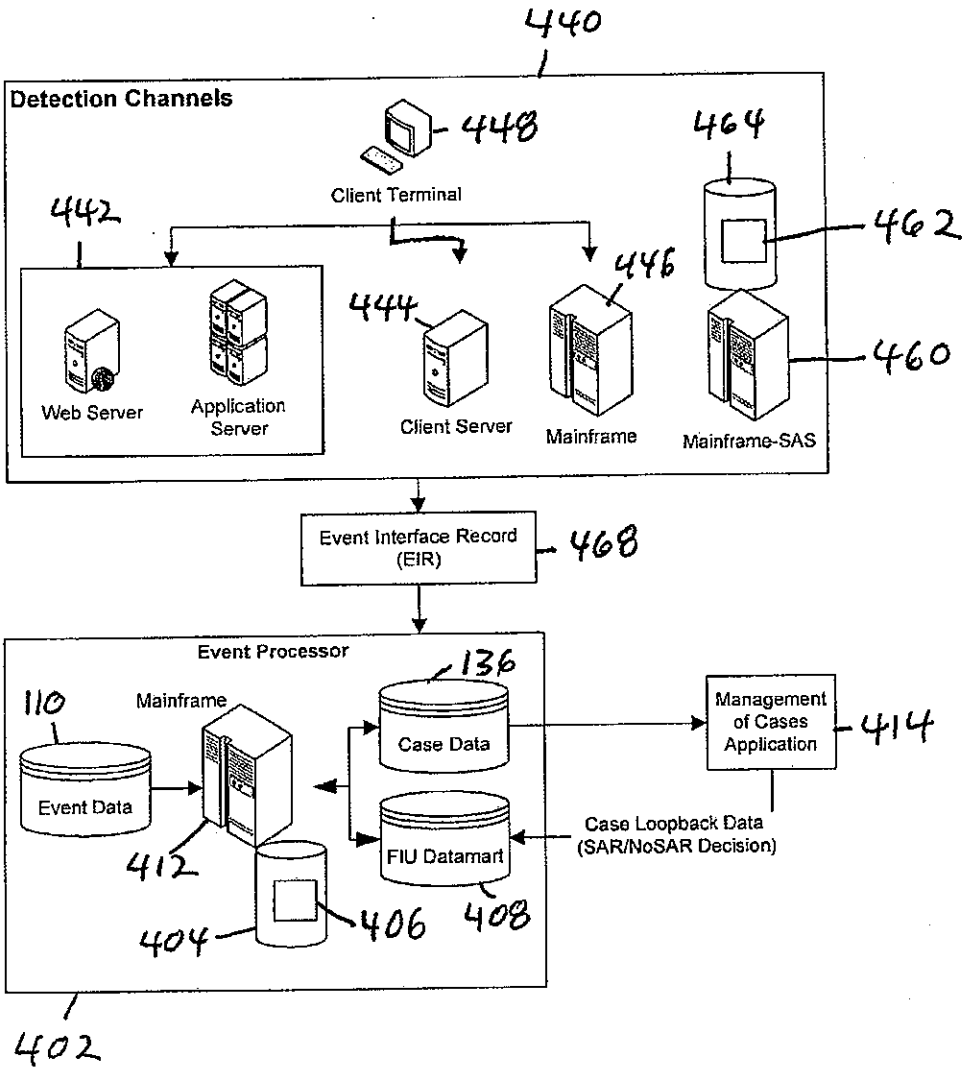

440
Detection Channels
448
Client Terminal
464
462
442
446
444
460
Web Server
Application Server
Client Server
Mainframe
Mainframe-SAS
Event Interface Record (EIR)
468
Event Processor
136
110
Mainframe
Case Data
Management of Cases Application
414
Event Data
412
FIU Datamart
Case Loopback Data (SAR/NoSAR Decision)
404
406
408
402

FIG. 4