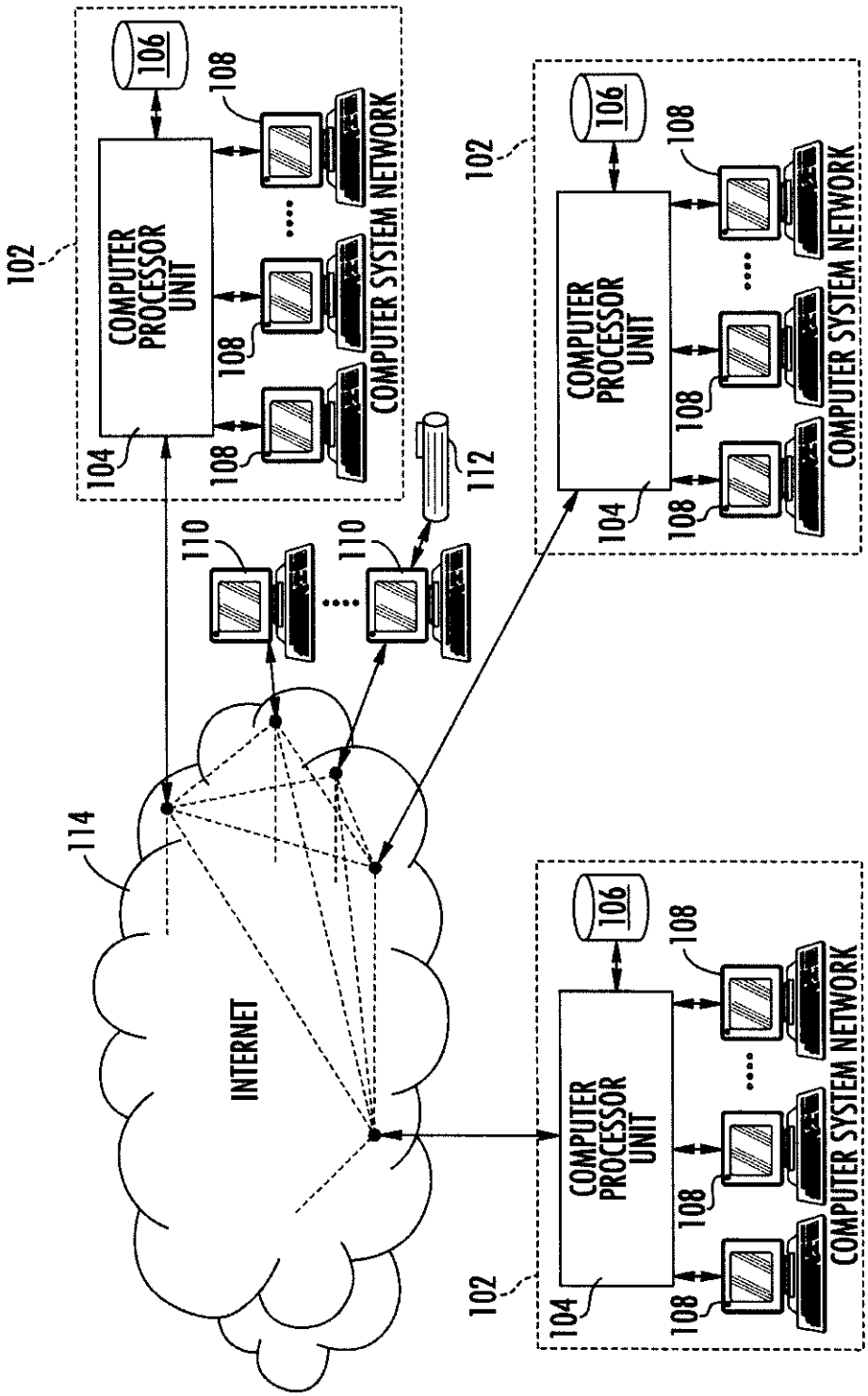

102
COMPUTER PROCESSOR UNIT
104
106
108
COMPUTER SYSTEM NETWORK
110
112
114
INTERNET

FIG. 1.

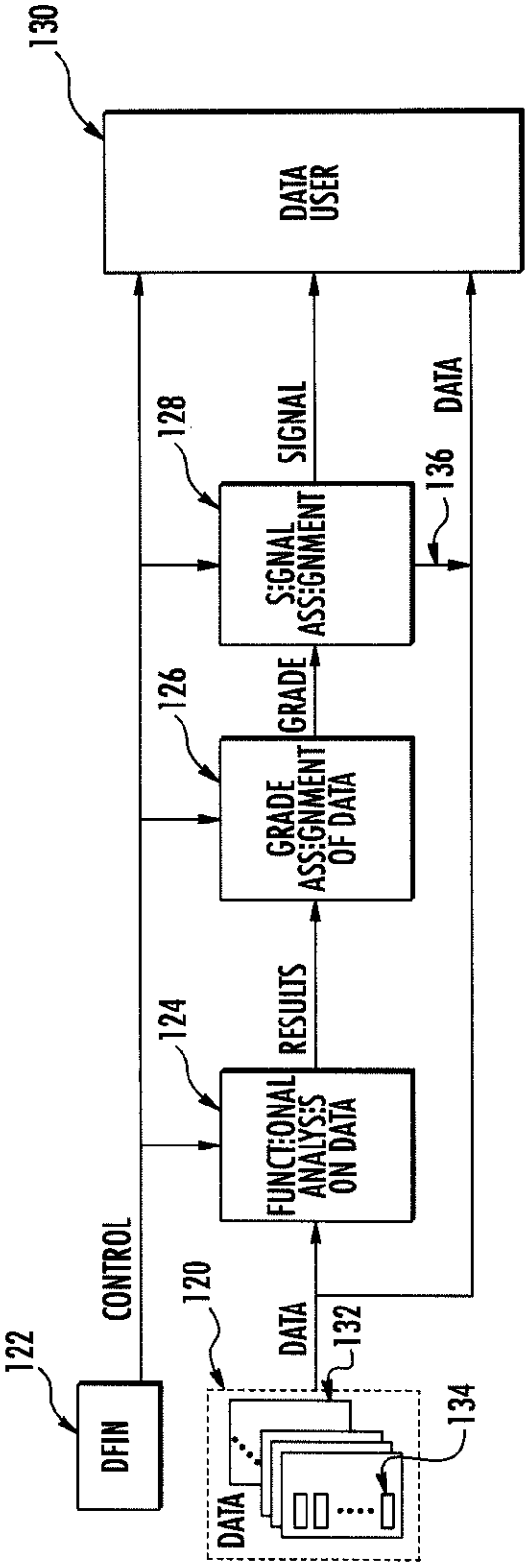

130
DATA USER
128
SIGNAL
DATA
136
SIGNAL ASSIGNMENT
126
GRADE
GRADE ASSIGNMENT OF DATA
124
RESULTS
FUNCTIONAL ANALYSIS ON DATA
CONTROL
120
DATA
132
122
DFIN
134
DATA

FIG. 2.

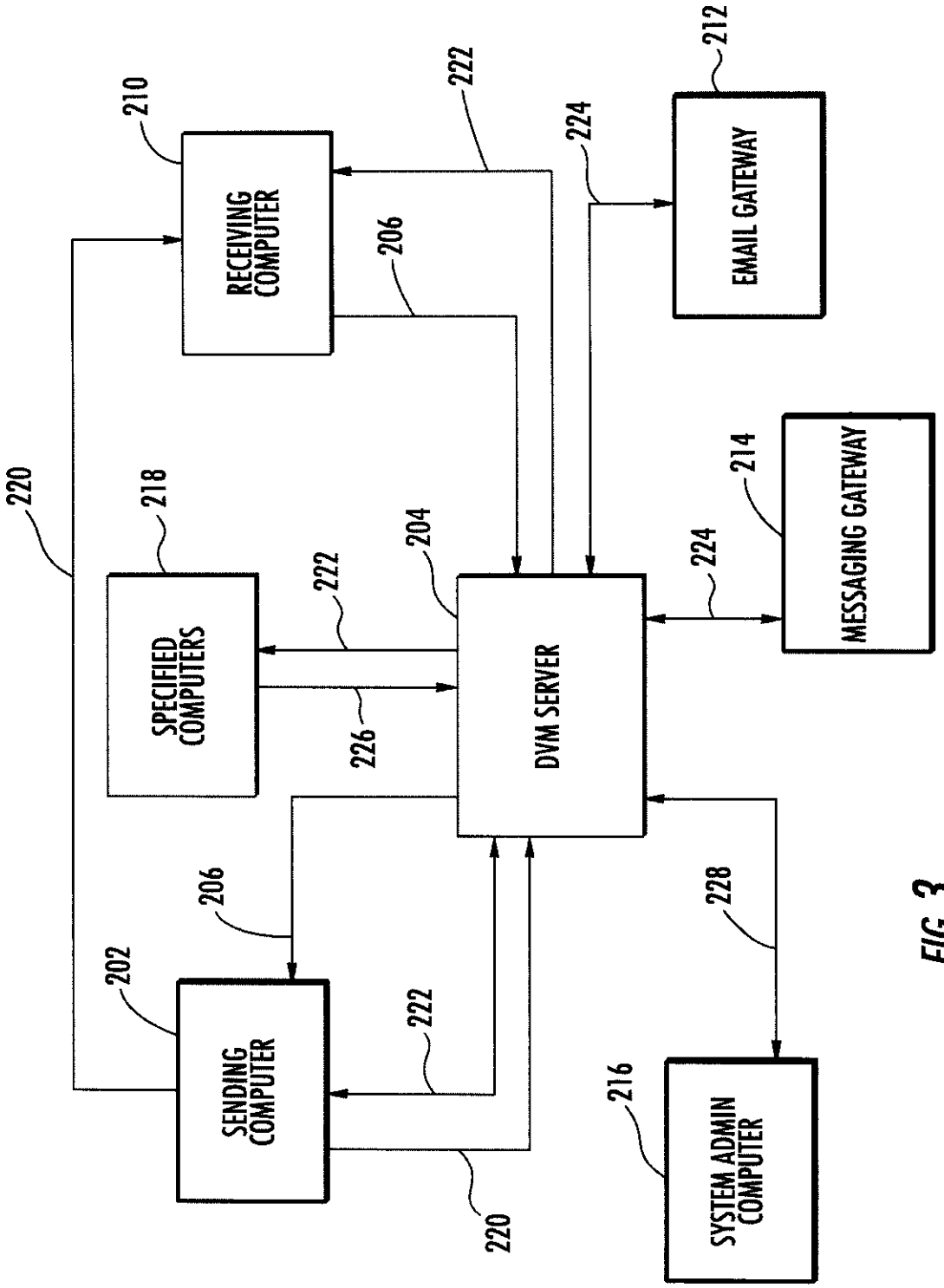

RECEIVING COMPUTER
EMAIL GATEWAY
SPECIFIED COMPUTERS
DVM SERVER
MESSAGING GATEWAY
SENDING COMPUTER
SYSTEM ADMIN COMPUTER
210
212
222
224
206
220
218
204
214
226
202
216
228

FIG. 3.

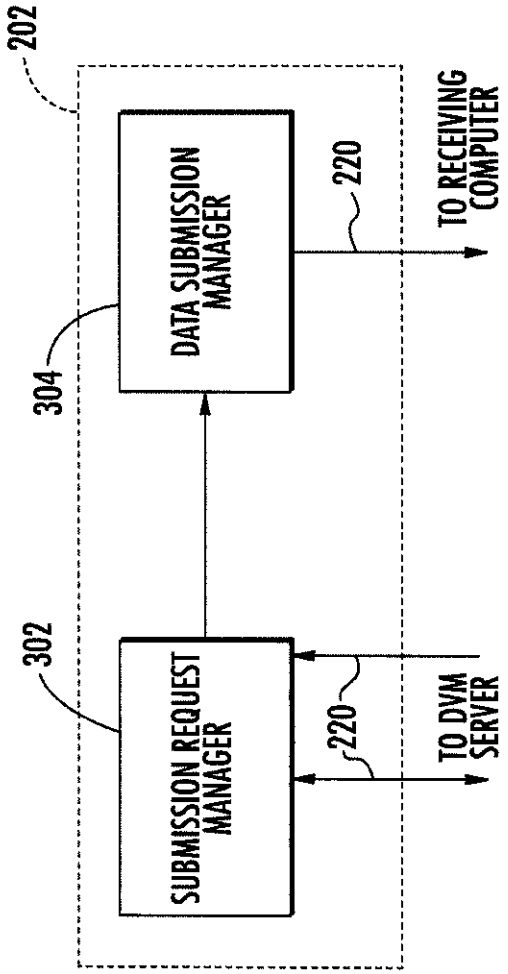

202
DATA SUBMISSION MANAGER
304
220
TO RECEIVING COMPUTER
SUBMISSION REQUEST MANAGER
302
220
TO DVM SERVER

FIG. 4.

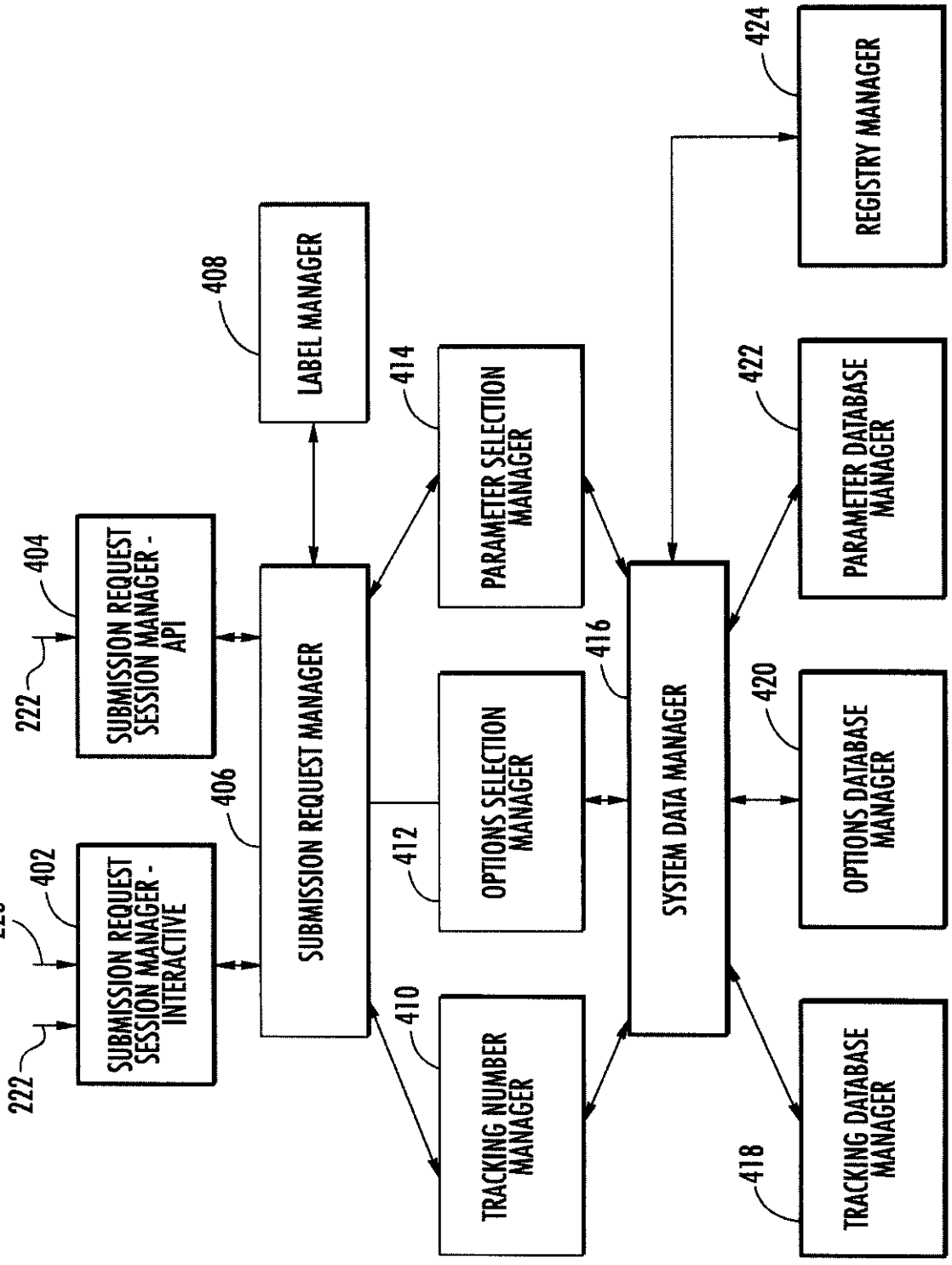

SUBMISSION REQUEST SESSION MANAGER - INTERACTIVE
SUBMISSION REQUEST SESSION MANAGER - API
SUBMISSION REQUEST MANAGER
LABEL MANAGER
PARAMETER SELECTION MANAGER
OPTIONS SELECTION MANAGER
TRACKING NUMBER MANAGER
SYSTEM DATA MANAGER
REGISTRY MANAGER
PARAMETER DATABASE MANAGER
OPTIONS DATABASE MANAGER
TRACKING DATABASE MANAGER
220
222
402
404
406
408
410
412
414
416
418
420
422
424

FIG. 5.

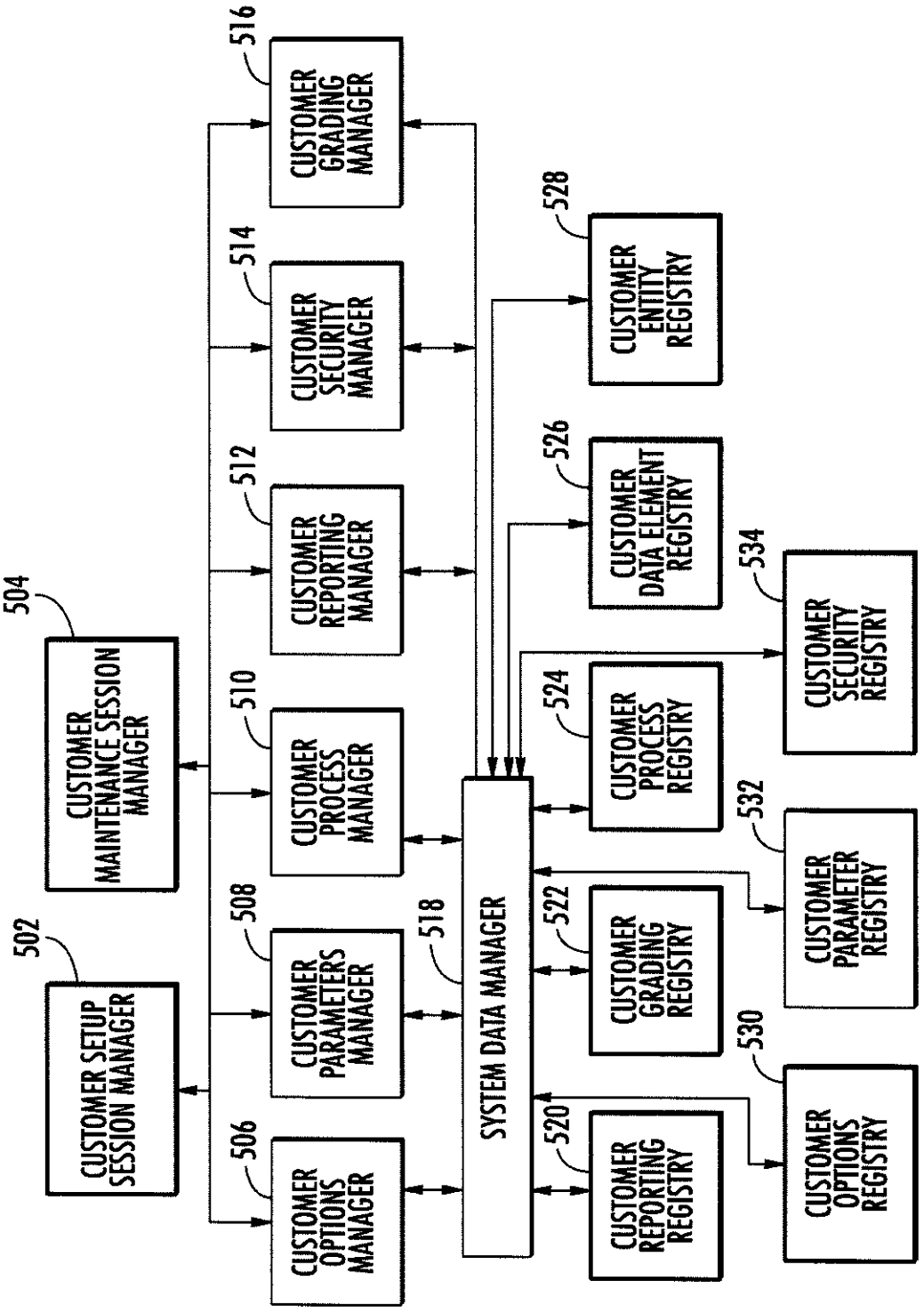

502
CUSTOMER SETUP SESSION MANAGER
504
CUSTOMER MAINTENANCE SESSION MANAGER
506
CUSTOMER OPTIONS MANAGER
508
CUSTOMER PARAMETERS MANAGER
510
CUSTOMER PROCESS MANAGER
512
CUSTOMER REPORTING MANAGER
514
CUSTOMER SECURITY MANAGER
516
CUSTOMER GRADING MANAGER
518
SYSTEM DATA MANAGER
520
CUSTOMER REPORTING REGISTRY
522
CUSTOMER GRADING REGISTRY
524
CUSTOMER PROCESS REGISTRY
526
CUSTOMER DATA ELEMENT REGISTRY
528
CUSTOMER ENTITY REGISTRY
530
CUSTOMER OPTIONS REGISTRY
532
CUSTOMER PARAMETER REGISTRY
534
CUSTOMER SECURITY REGISTRY

FIG. 6.

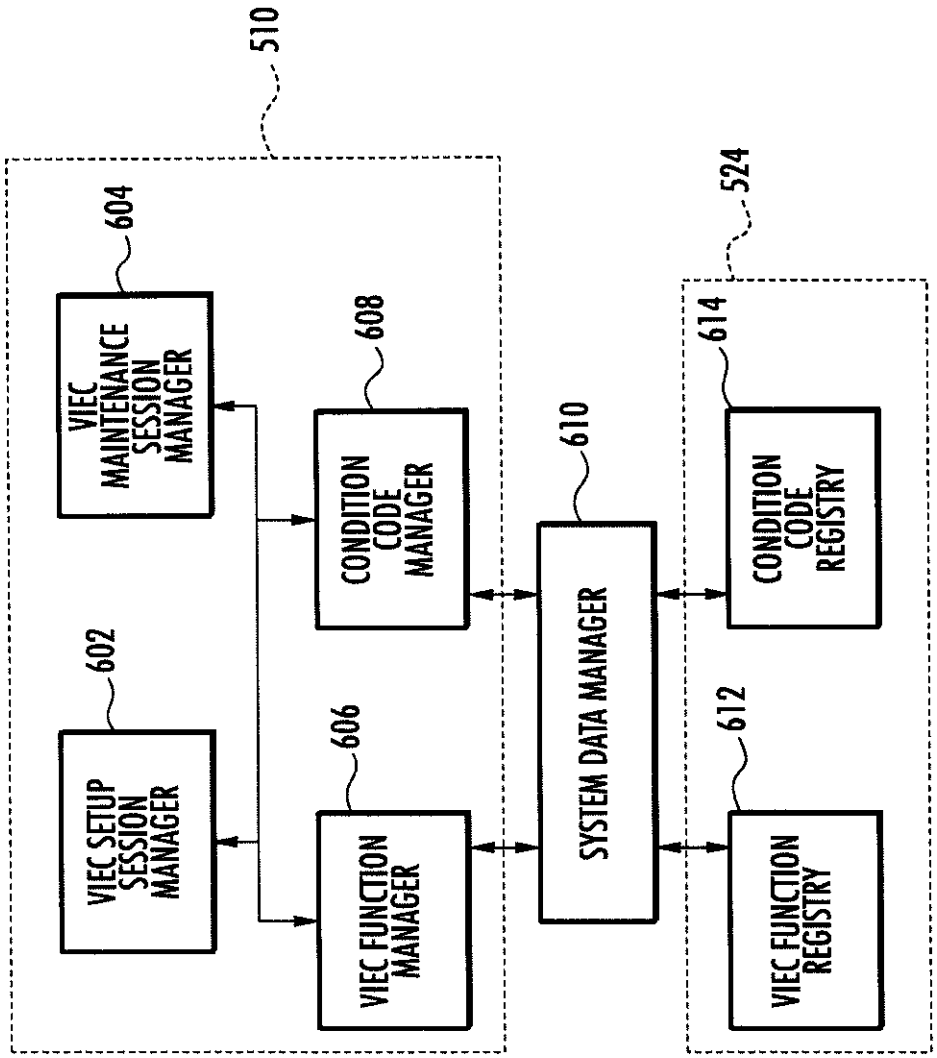

510
524
604
VIEC MAINTENANCE SESSION MANAGER
608
CONDITION CODE MANAGER
614
CONDITION CODE REGISTRY
610
SYSTEM DATA MANAGER
602
VIEC SETUP SESSION MANAGER
606
VIEC FUNCTION MANAGER
612
VIEC FUNCTION REGISTRY

FIG. 7.

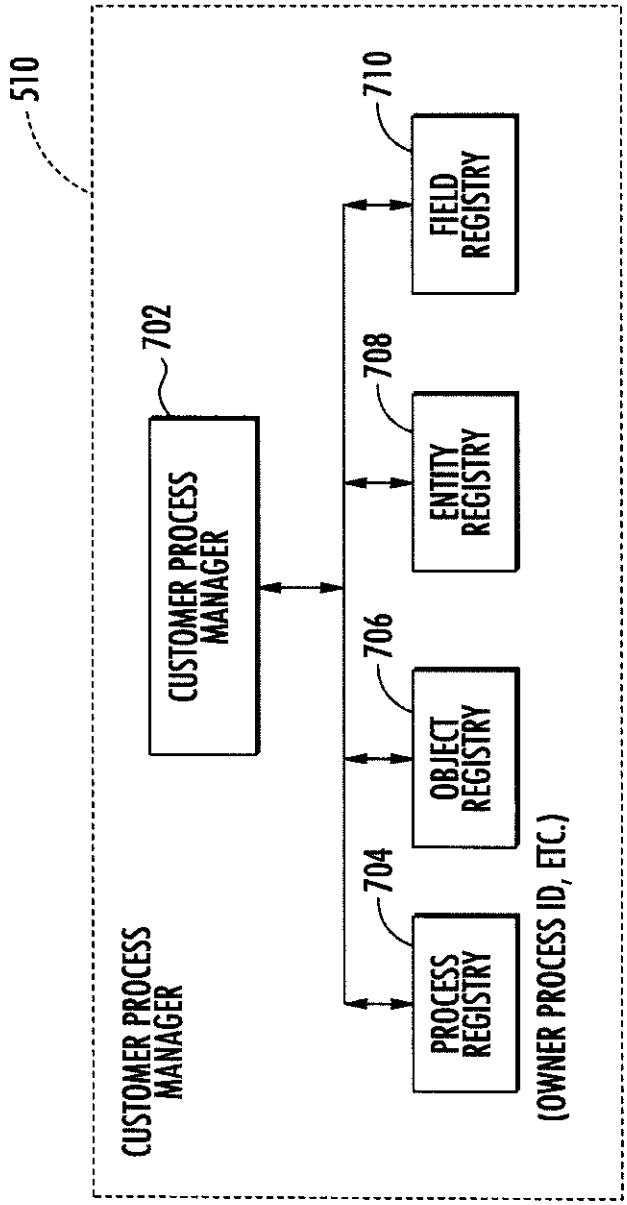

510
CUSTOMER PROCESS MANAGER
702
CUSTOMER PROCESS MANAGER
704
PROCESS REGISTRY
706
OBJECT REGISTRY
708
ENTITY REGISTRY
710
FIELD REGISTRY
(OWNER PROCESS ID, ETC.)

FIG. 8.

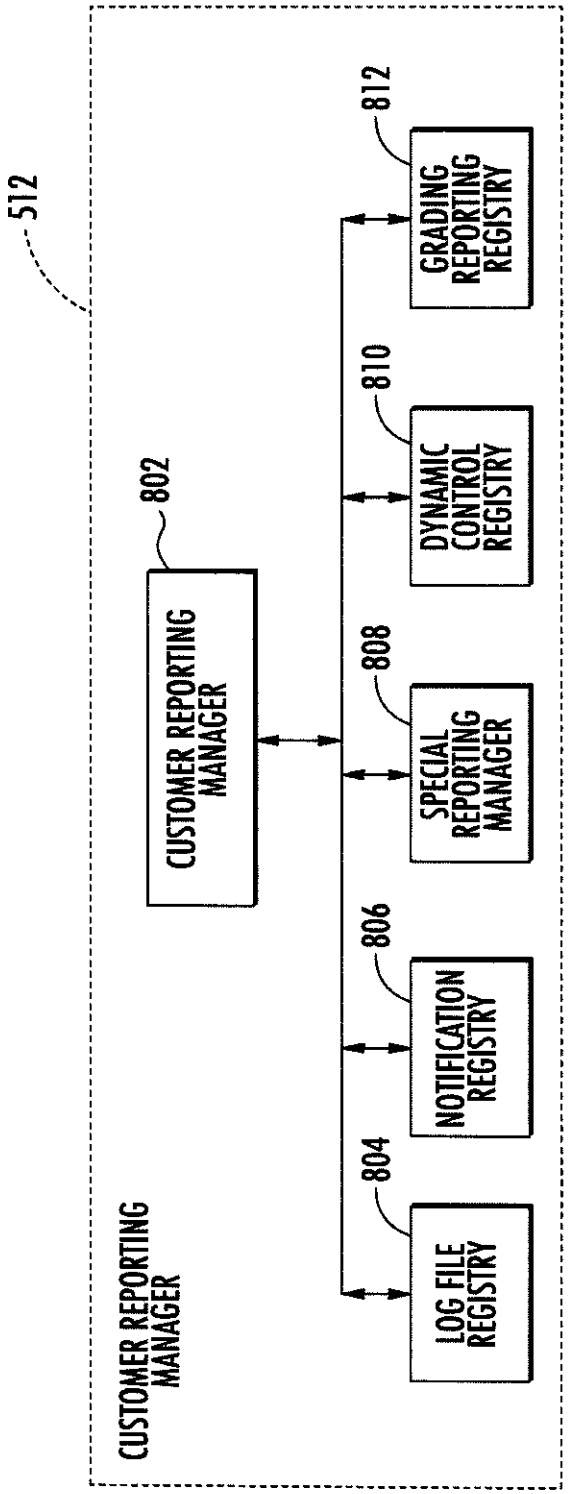

512
CUSTOMER REPORTING MANAGER
802
CUSTOMER REPORTING MANAGER
804
LOG FILE REGISTRY
806
NOTIFICATION REGISTRY
808
SPECIAL REPORTING MANAGER
810
DYNAMIC CONTROL REGISTRY
812
GRADING REPORTING REGISTRY

FIG. 9.

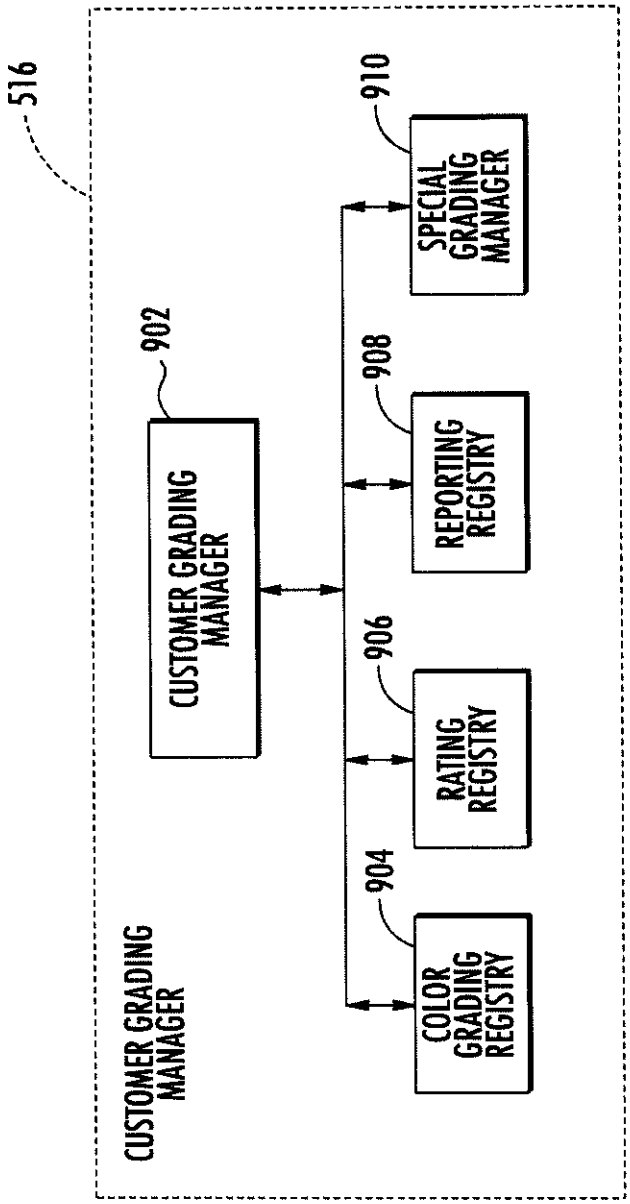

516
CUSTOMER GRADING MANAGER
902
CUSTOMER GRADING MANAGER
904
COLOR GRADING REGISTRY
906
RATING REGISTRY
908
REPORTING REGISTRY
910
SPECIAL GRADING MANAGER

FIG. 10.

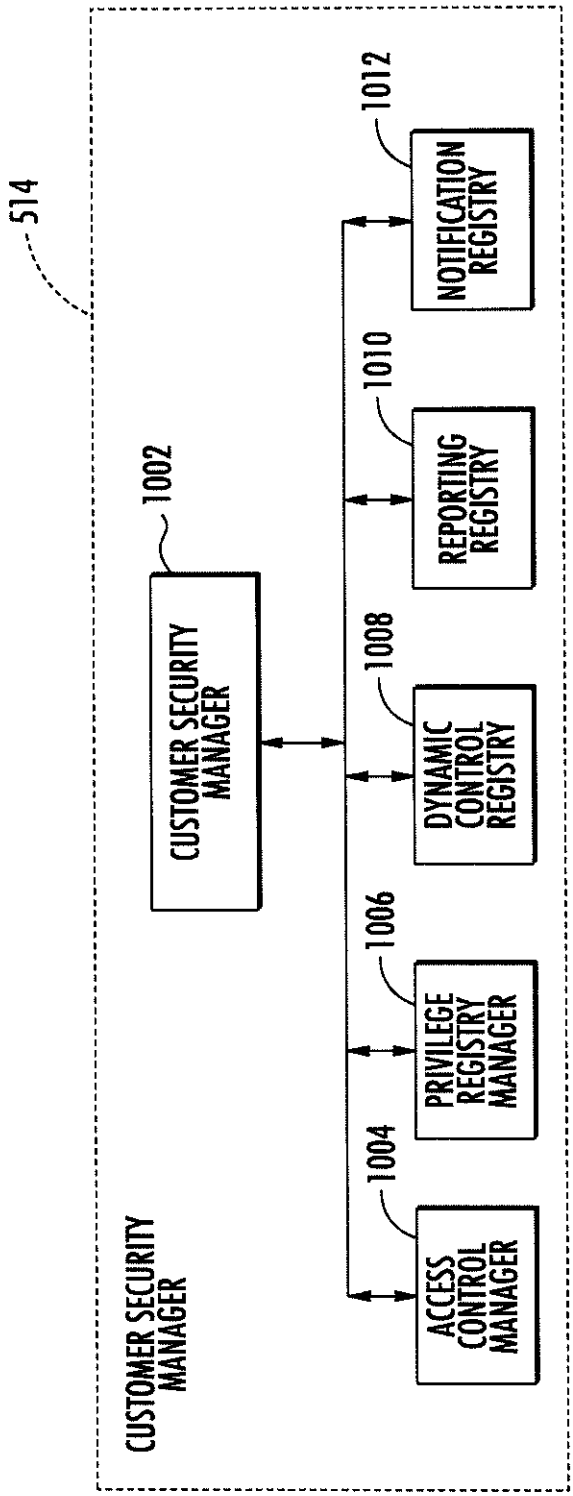

514
CUSTOMER SECURITY MANAGER
1002
CUSTOMER SECURITY MANAGER
1004
ACCESS CONTROL MANAGER
1006
PRIVILEGE REGISTRY MANAGER
1008
DYNAMIC CONTROL REGISTRY
1010
REPORTING REGISTRY
1012
NOTIFICATION REGISTRY

FIG. 11.

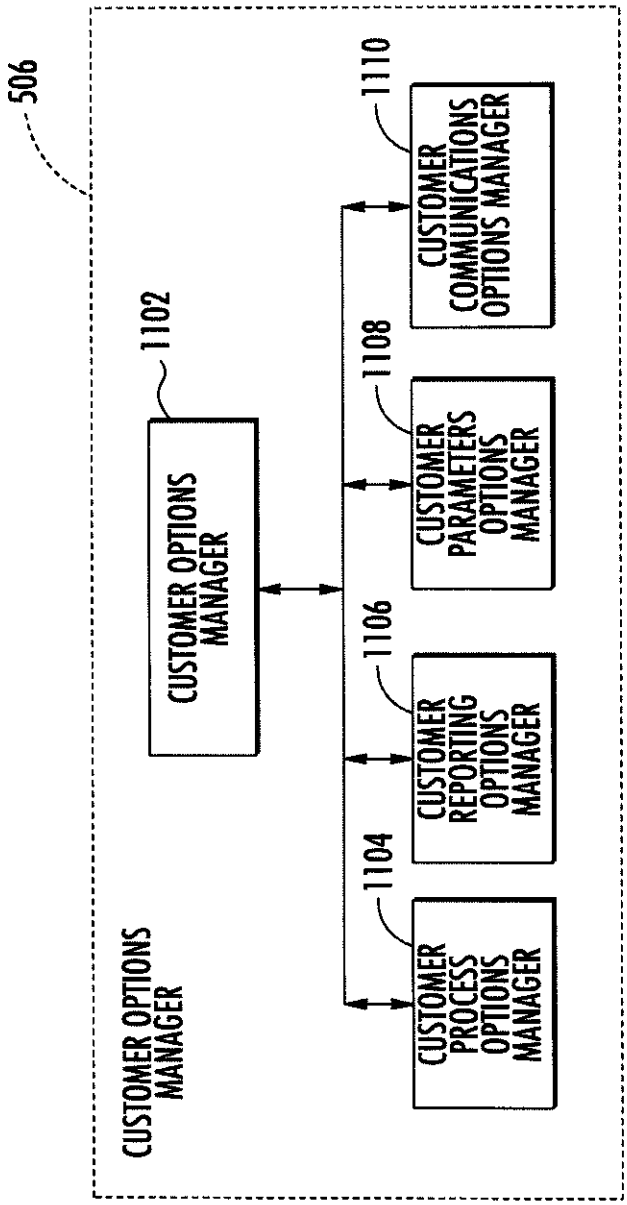

506
CUSTOMER OPTIONS MANAGER
1102
CUSTOMER OPTIONS MANAGER
1104
CUSTOMER PROCESS OPTIONS MANAGER
1106
CUSTOMER REPORTING OPTIONS MANAGER
1108
CUSTOMER PARAMETERS OPTIONS MANAGER
1110
CUSTOMER COMMUNICATIONS OPTIONS MANAGER

FIG. 12.

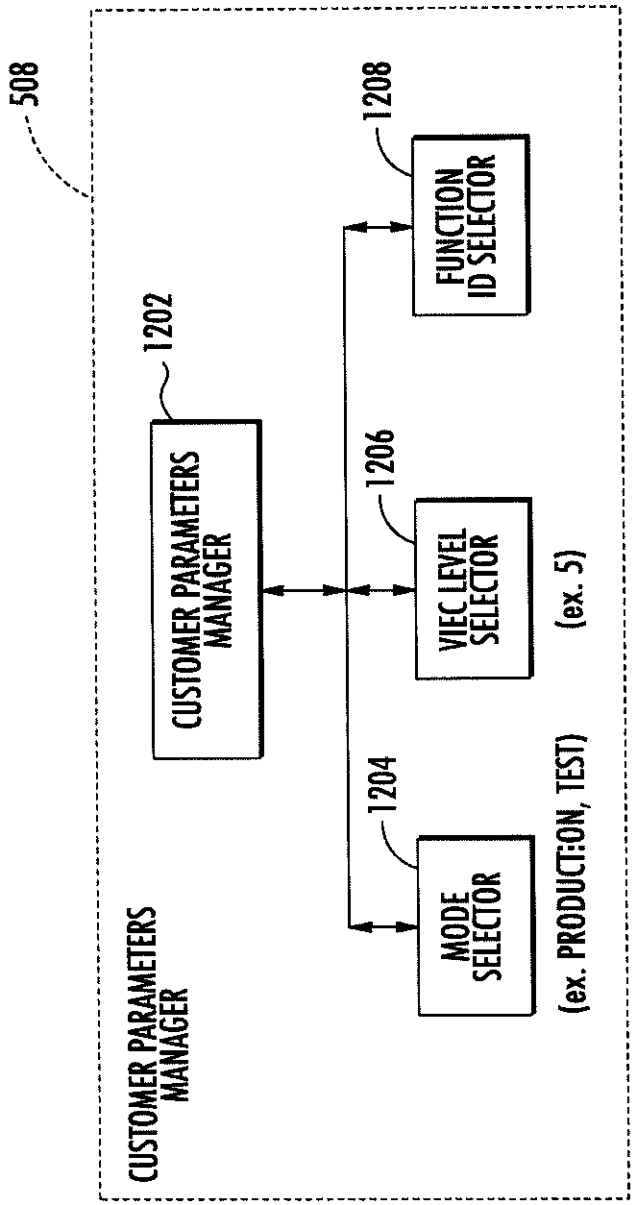

508
CUSTOMER PARAMETERS MANAGER
1202
CUSTOMER PARAMETERS MANAGER
1204
MODE SELECTOR
(ex. PRODUCT:ON, TEST)
1206
VIEC LEVEL SELECTOR
(ex. 5)
1208
FUNCTION ID SELECTOR

FIG. 13.

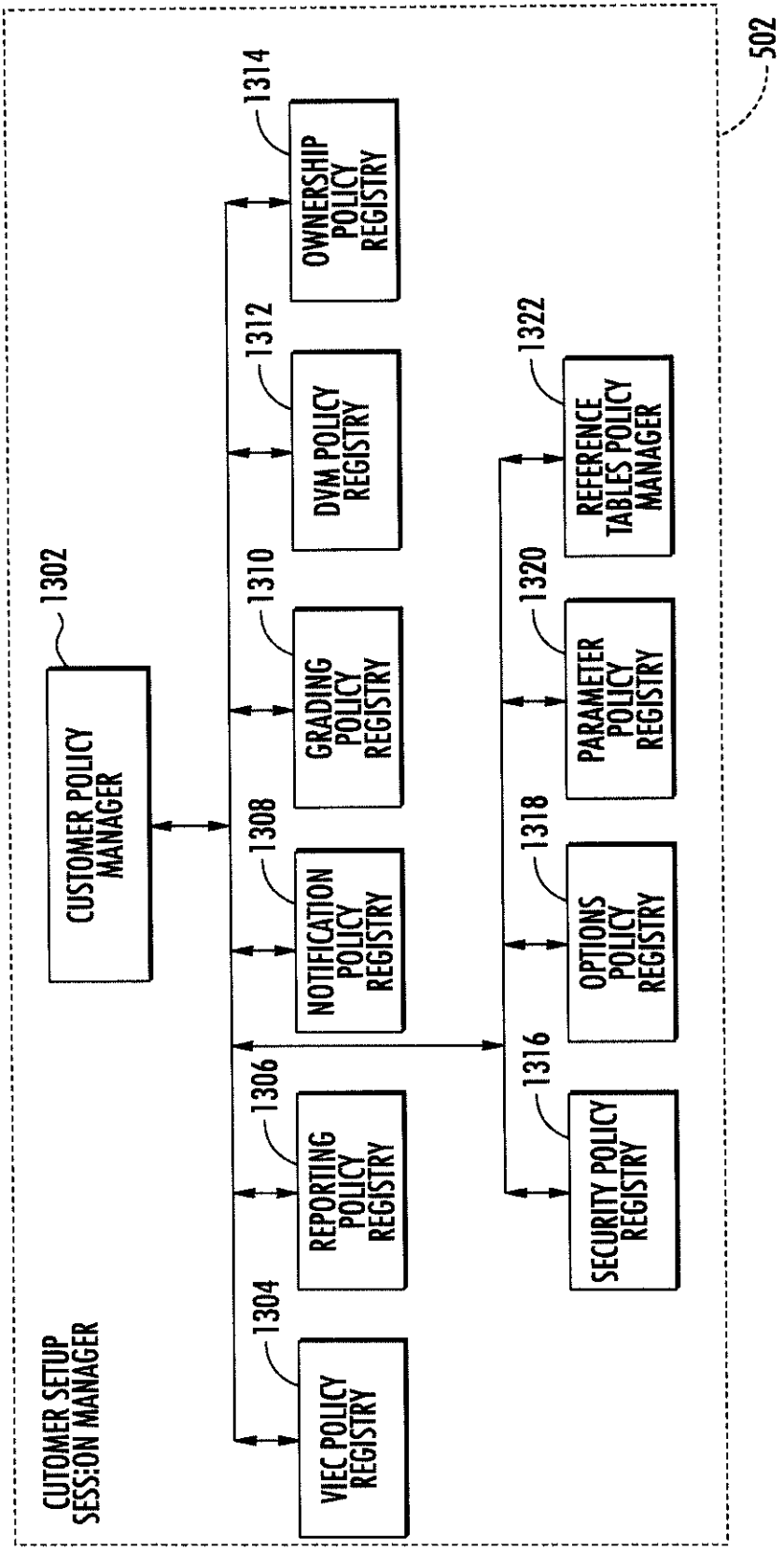

CUTOMER SETUP
SESS:ON MANAGER
502
CUSTOMER POLICY MANAGER
1302
VIEC POLICY REGISTRY
1304
REPORTING POLICY REGISTRY
1306
NOTIFICATION POLICY REGISTRY
1308
GRADING POLICY REGISTRY
1310
DVM POLICY REGISTRY
1312
OWNERSHIP POLICY REGISTRY
1314
SECURITY POLICY REGISTRY
1316
OPTIONS POLICY REGISTRY
1318
PARAMETER POLICY REGISTRY
1320
REFERENCE TABLES POLICY MANAGER
1322

FIG. 14.

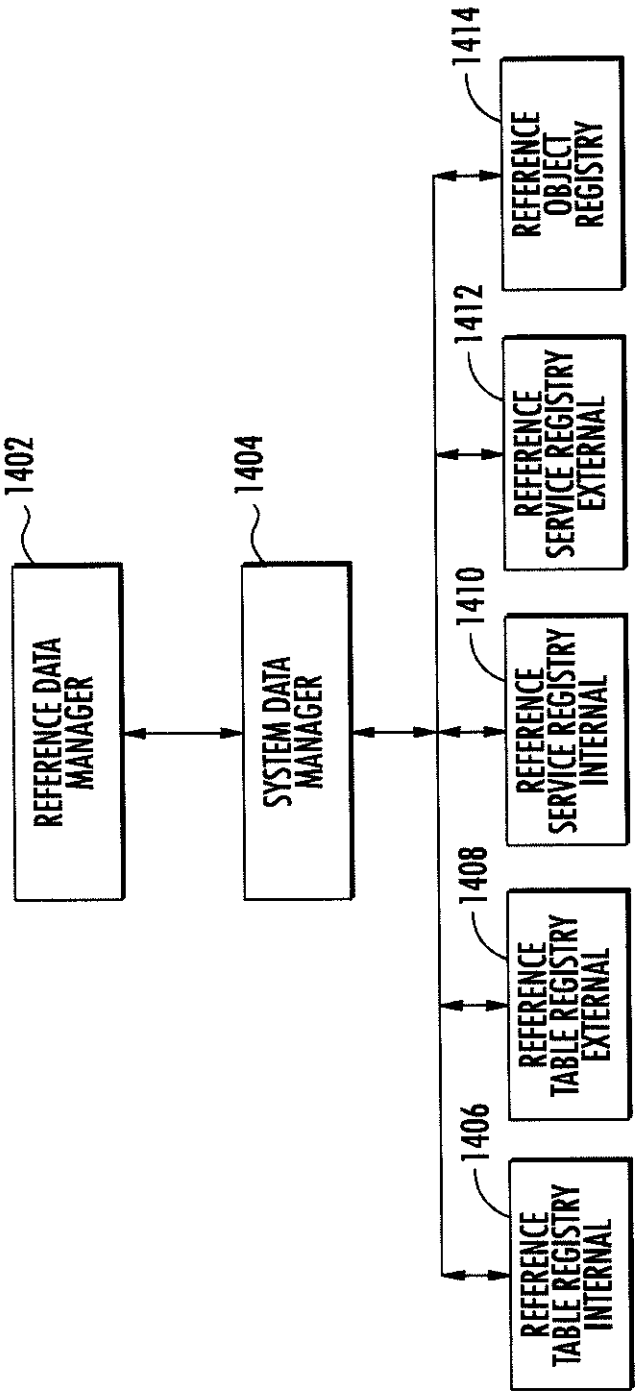

1402
REFERENCE DATA MANAGER
1404
SYSTEM DATA MANAGER
1406
REFERENCE TABLE REGISTRY INTERNAL
1408
REFERENCE TABLE REGISTRY EXTERNAL
1410
REFERENCE SERVICE REGISTRY INTERNAL
1412
REFERENCE SERVICE REGISTRY EXTERNAL
1414
REFERENCE OBJECT REGISTRY

FIG. 15.

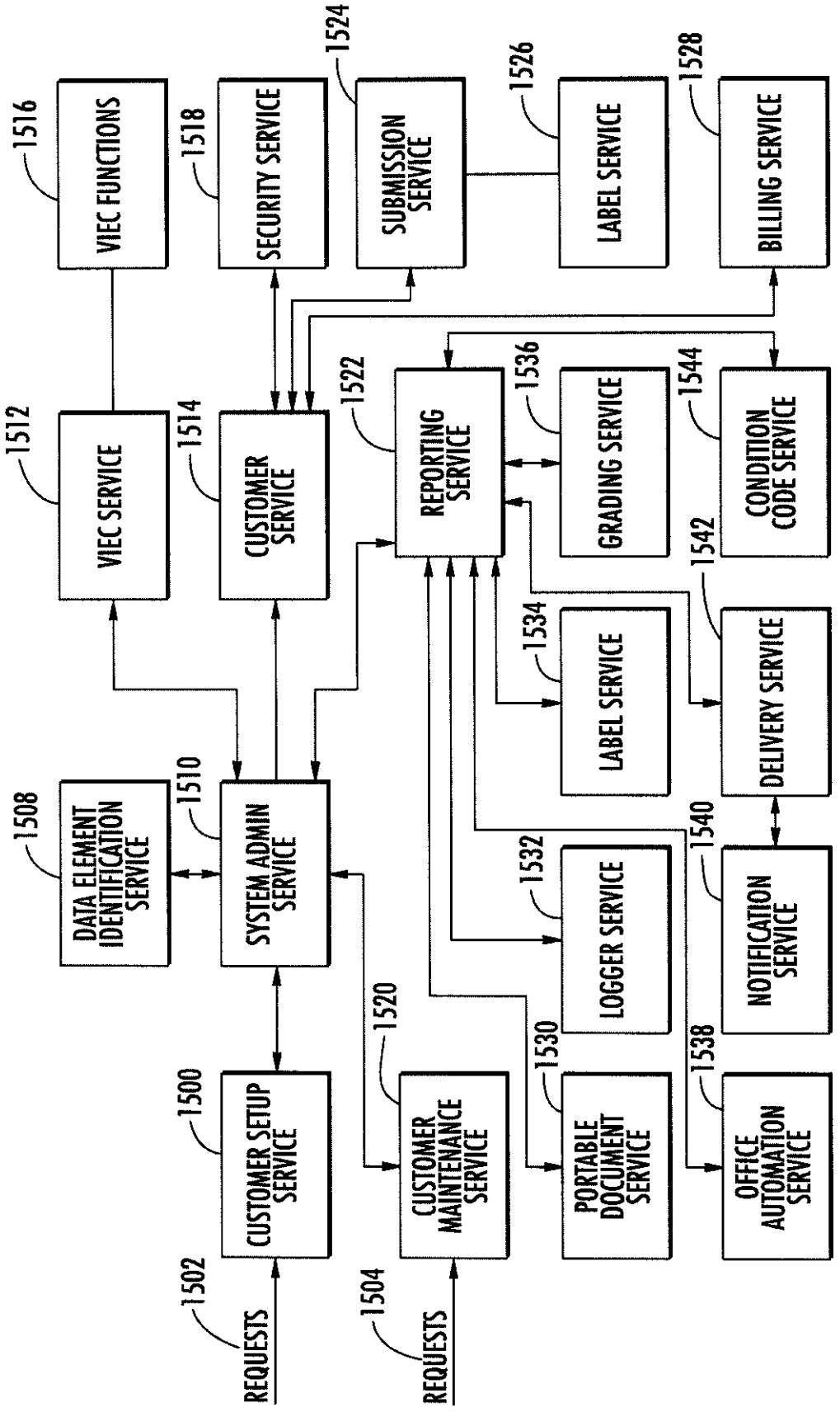

1516
VIEC FUNCTIONS
1518
SECURITY SERVICE
1524
SUBMISSION SERVICE
1526
LABEL SERVICE
1528
BILLING SERVICE
1512
VIEC SERVICE
1514
CUSTOMER SERVICE
1522
REPORTING SERVICE
1536
GRADING SERVICE
1544
CONDITION CODE SERVICE
1542
DELIVERY SERVICE
1534
LABEL SERVICE
1508
DATA ELEMENT IDENTIFICATION SERVICE
1510
SYSTEM ADMIN SERVICE
1532
LOGGER SERVICE
1540
NOTIFICATION SERVICE
1500
CUSTOMER SETUP SERVICE
1520
CUSTOMER MAINTENANCE SERVICE
1530
PORTABLE DOCUMENT SERVICE
1538
OFFICE AUTOMATION SERVICE
1502
REQUESTS
1504
REQUESTS

FIG. 16.

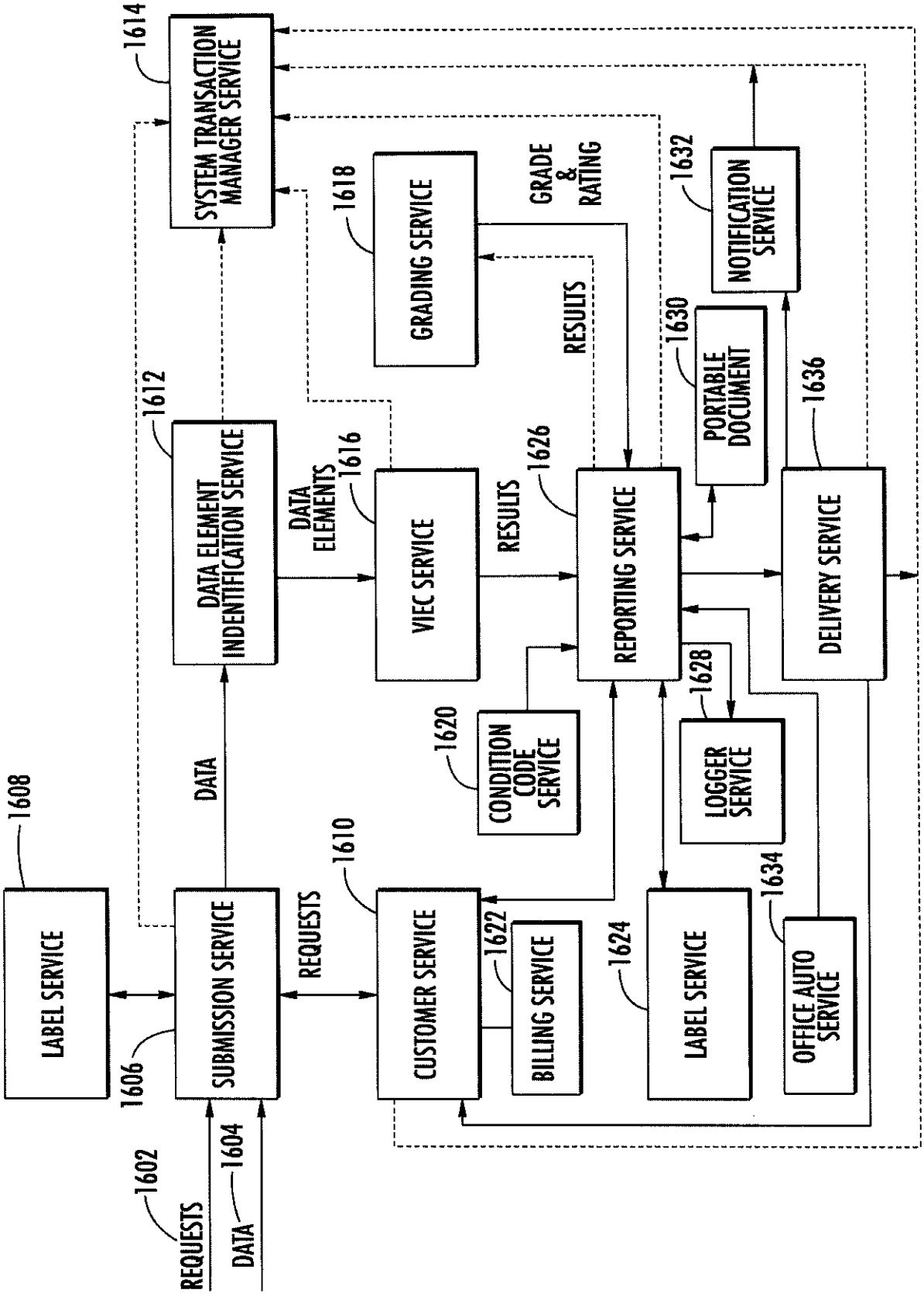

1614
SYSTEM TRANSACTION MANAGER SERVICE
1618
GRADING SERVICE
GRADE & RATING
1632
NOTIFICATION SERVICE
RESULTS
1630
PORTABLE DOCUMENT
1612
DATA ELEMENT INDENTIFICATION SERVICE
DATA ELEMENTS
1616
VIEC SERVICE
RESULTS
1626
REPORTING SERVICE
1636
DELIVERY SERVICE
1608
LABEL SERVICE
DATA
1620
CONDITION CODE SERVICE
1628
LOGGER SERVICE
1610
REQUESTS
CUSTOMER SERVICE
1622
BILLING SERVICE
1624
LABEL SERVICE
1634
OFFICE AUTO SERVICE
1606
SUBMISSION SERVICE
1602
REQUESTS
1604
DATA

FIG. 17.

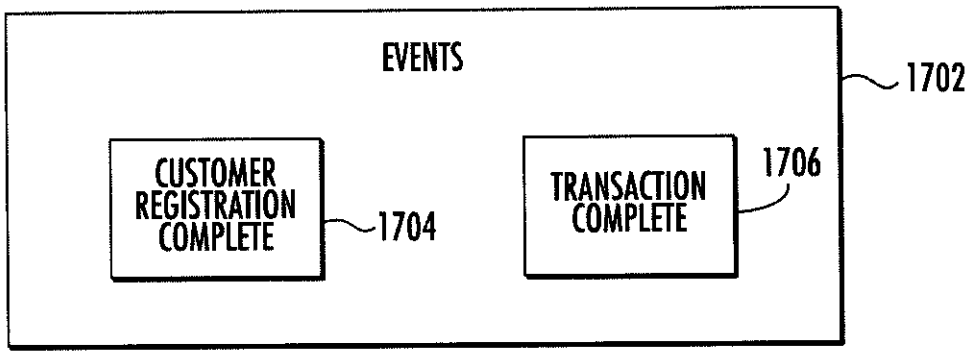


FIG. 18a.

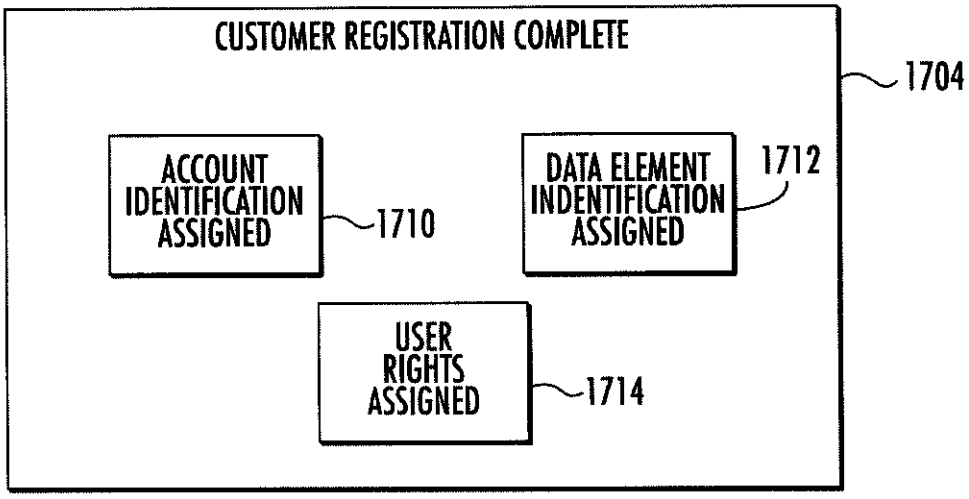


FIG. 18b.

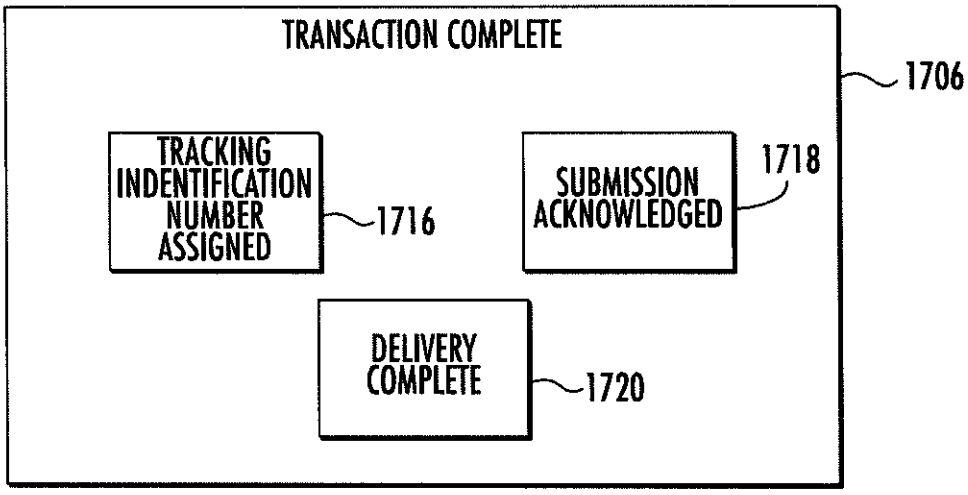


FIG. 18c.

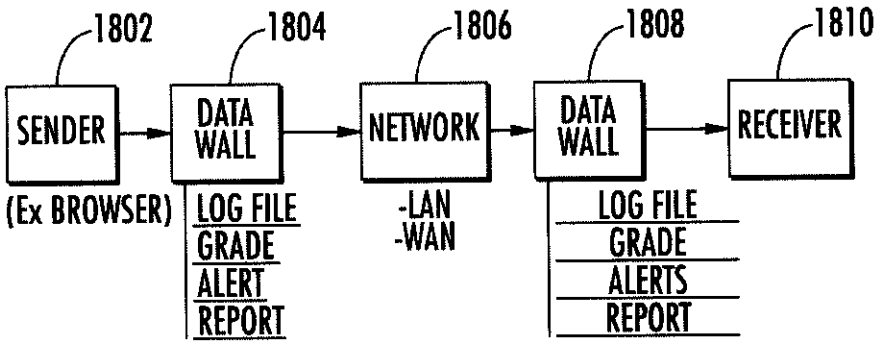


FIG. 19.

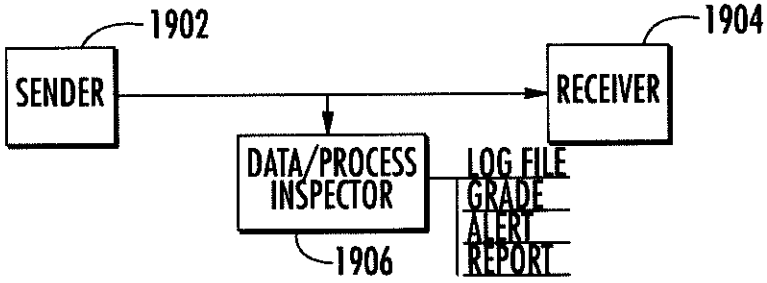


FIG. 20.

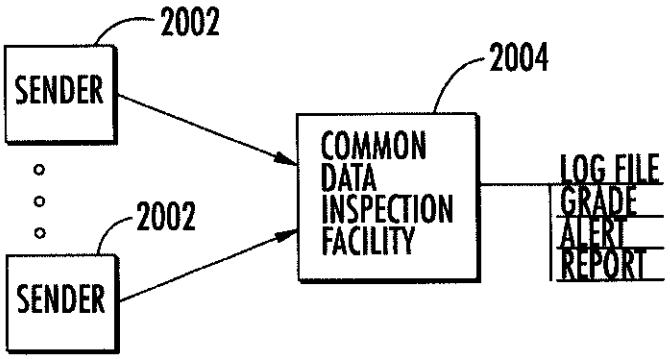


FIG. 21.

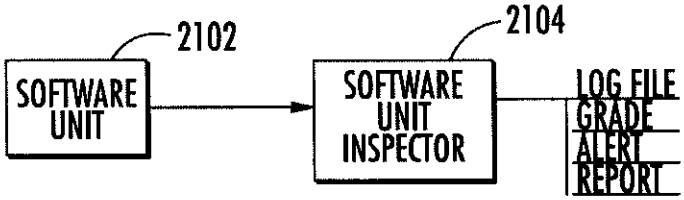


FIG. 22.

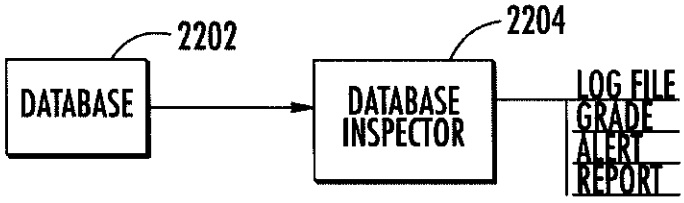


FIG. 23.

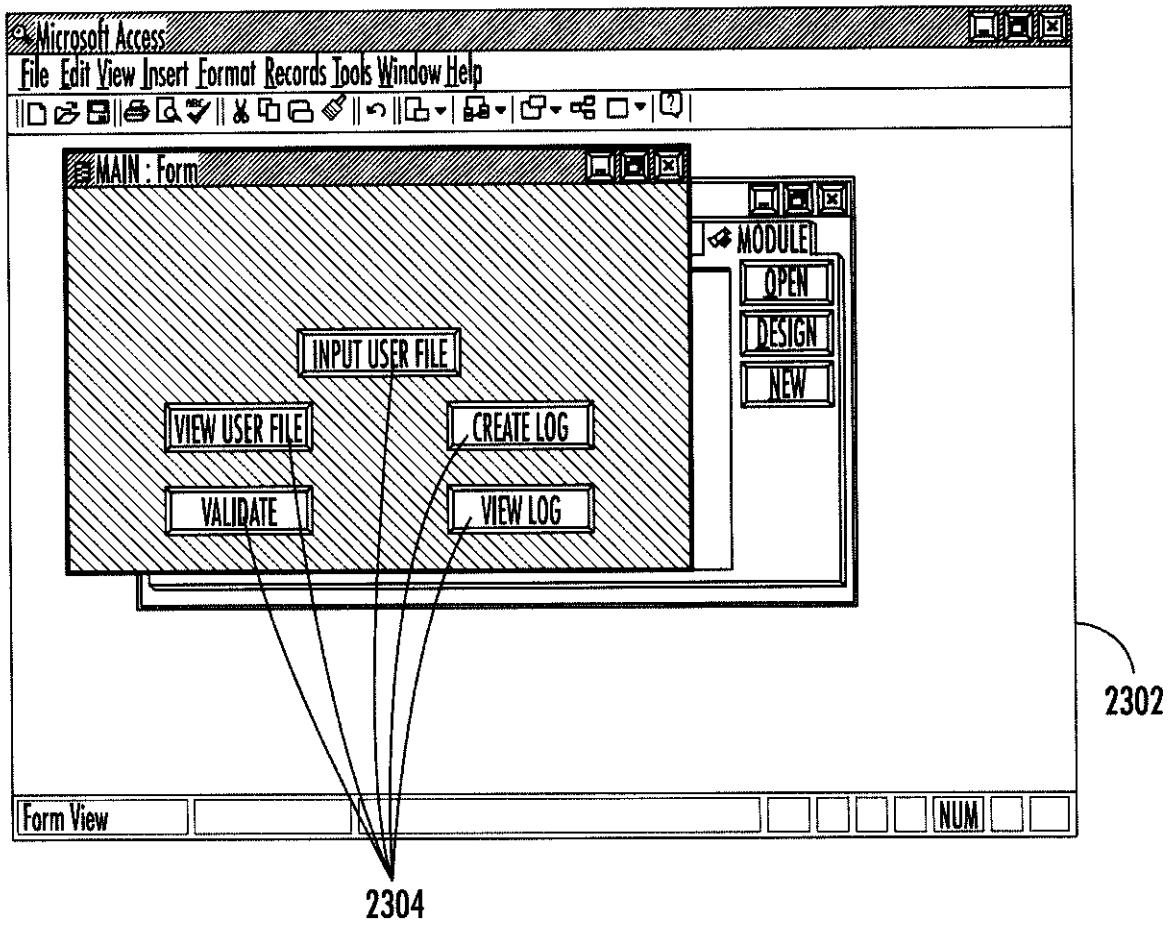

Microsoft Access
File Edit View Insert Format Records Tools Window Help
MAIN : Form
MODULE
OPEN
DESIGN
NEW
INPUT USER FILE
VIEW USER FILE
CREATE LOG
VALIDATE
VIEW LOG
Form View
NUM
2302
2304

FIG. 24.

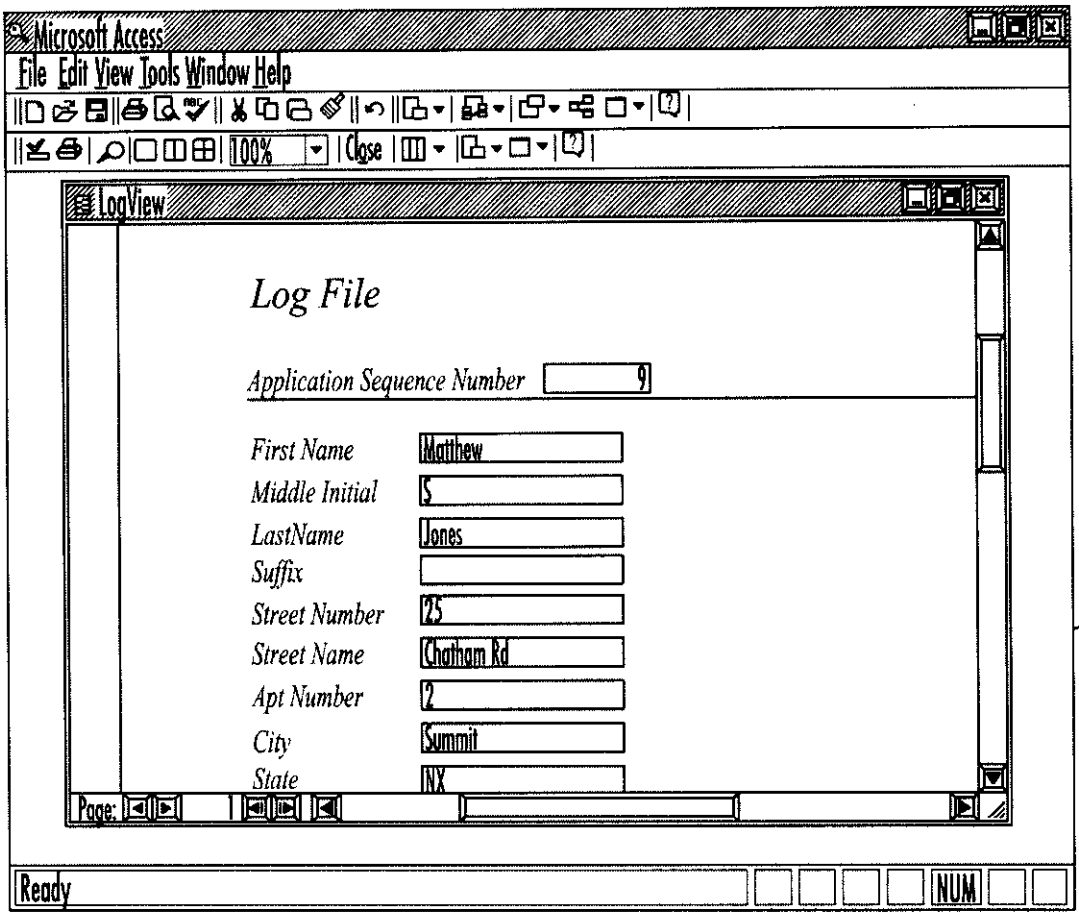

Microsoft Access
File Edit View Tools Window Help
100%
Close
LogView
Log File
Application Sequence Number
9
First Name
Matthew
Middle Initial
S
LastName
Jones
Suffix
Street Number
25
Street Name
Chatham Rd
Apt Number
2
City
Summit
State
NX
Page:
Ready
NUM
2402

FIG. 25.

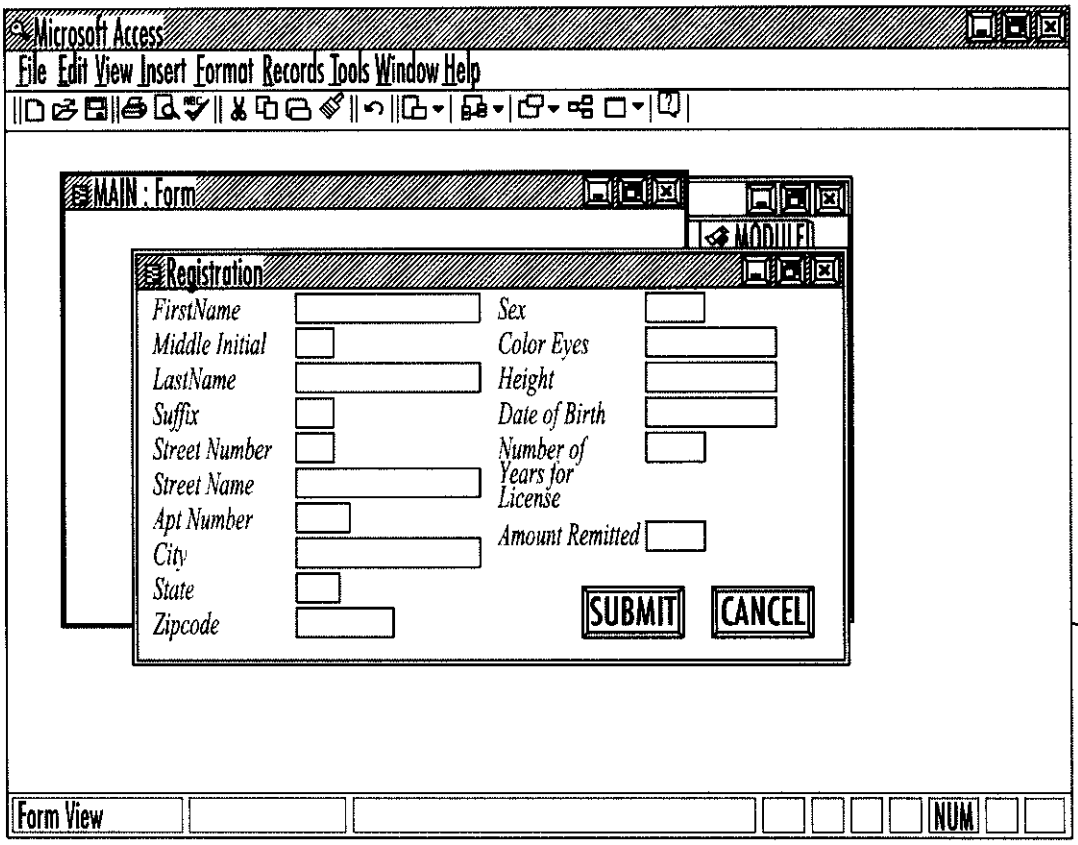

Microsoft Access
File Edit View Insert Format Records Tools Window Help
MAIN : Form
Registration
FirstName
Middle Initial
LastName
Suffix
Street Number
Street Name
Apt Number
City
State
Zipcode
Sex
Color Eyes
Height
Date of Birth
Number of Years for License
Amount Remitted
SUBMIT
CANCEL
Form View
NUM
2502

FIG. 26.