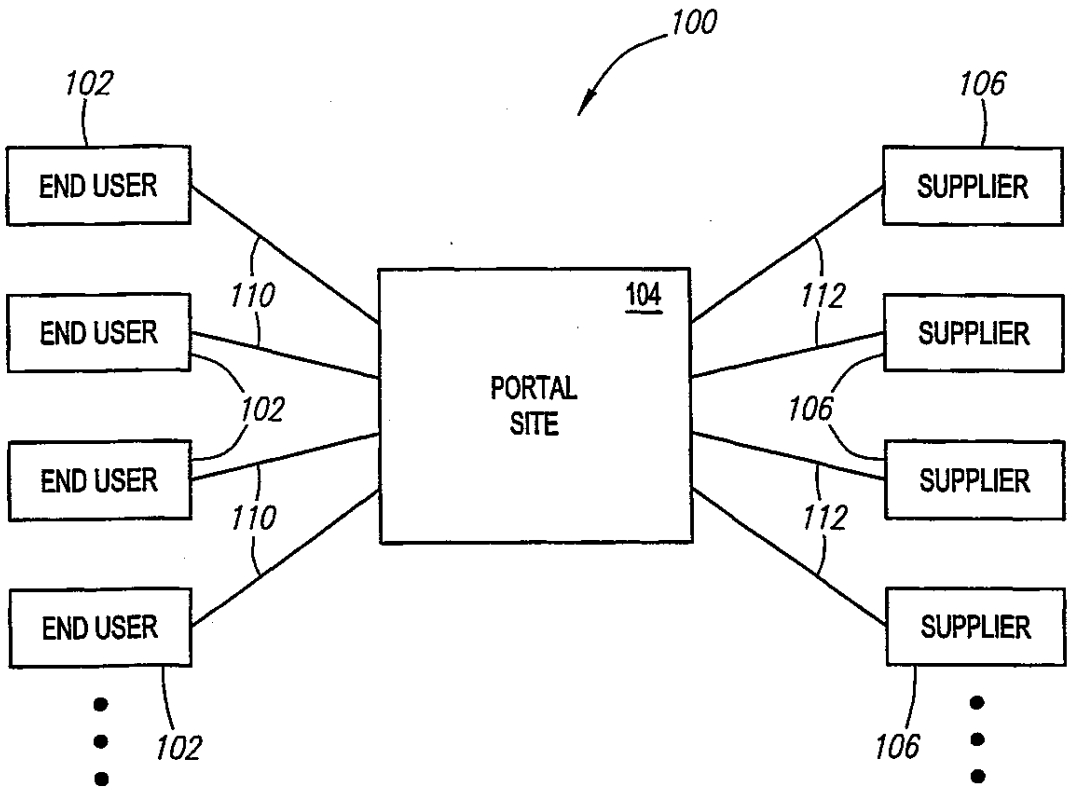

100
102
END USER
END USER
END USER
END USER
102
102
110
110
104
PORTAL SITE
106
SUPPLIER
SUPPLIER
SUPPLIER
SUPPLIER
106
112
112

FIG. 1

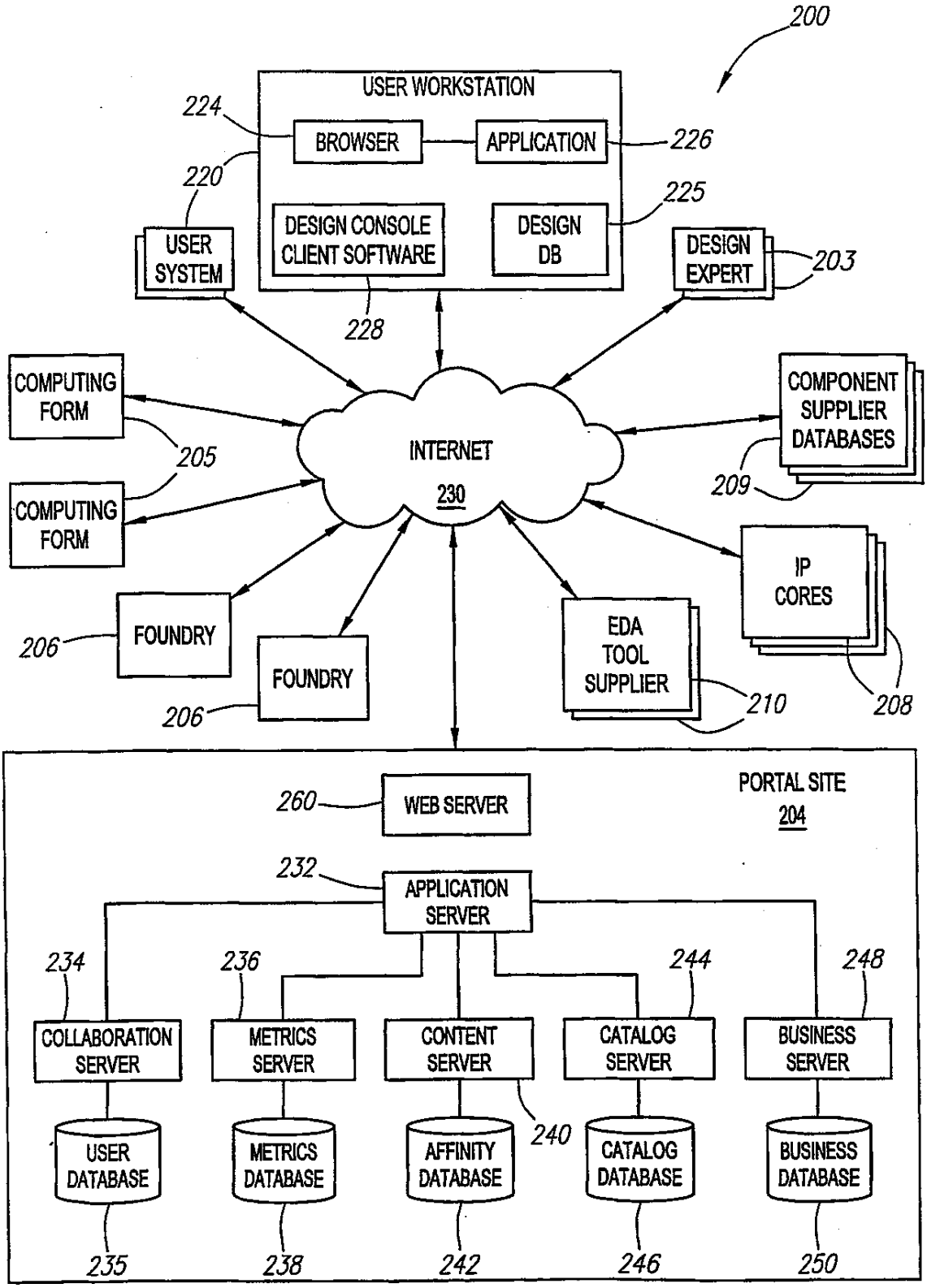

200
USER WORKSTATION
224
BROWSER
APPLICATION
226
220
225
USER SYSTEM
DESIGN CONSOLE CLIENT SOFTWARE
DESIGN DB
DESIGN EXPERT
203
228
COMPUTING FORM
205
COMPUTING FORM
INTERNET
230
COMPONENT SUPPLIER DATABASES
209
IP CORES
208
206
FOUNDRY
FOUNDRY
206
EDA TOOL SUPPLIER
210
PORTAL SITE
204
260
WEB SERVER
232
APPLICATION SERVER
234
236
244
248
COLLABORATION SERVER
METRICS SERVER
CONTENT SERVER
CATALOG SERVER
BUSINESS SERVER
240
USER DATABASE
METRICS DATABASE
AFFINITY DATABASE
CATALOG DATABASE
BUSINESS DATABASE
235
238
242
246
250

FIG. 2

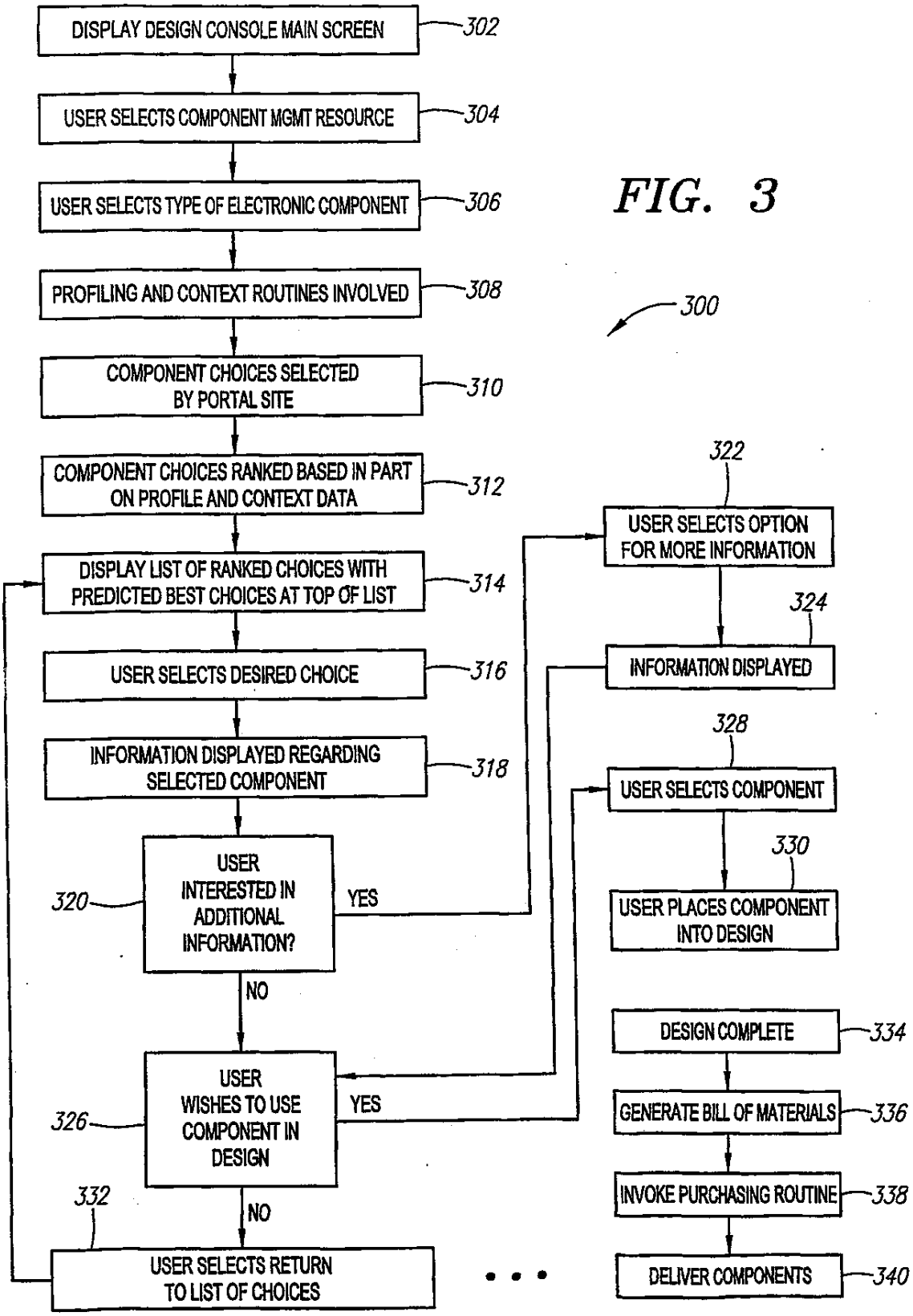

DISPLAY DESIGN CONSOLE MAIN SCREEN
302
USER SELECTS COMPONENT MGMT RESOURCE
304
USER SELECTS TYPE OF ELECTRONIC COMPONENT
306
PROFILING AND CONTEXT ROUTINES INVOLVED
308
300
COMPONENT CHOICES SELECTED BY PORTAL SITE
310
COMPONENT CHOICES RANKED BASED IN PART ON PROFILE AND CONTEXT DATA
312
DISPLAY LIST OF RANKED CHOICES WITH PREDICTED BEST CHOICES AT TOP OF LIST
314
USER SELECTS DESIRED CHOICE
316
INFORMATION DISPLAYED REGARDING SELECTED COMPONENT
318
320
USER INTERESTED IN ADDITIONAL INFORMATION?
YES
NO
326
USER WISHES TO USE COMPONENT IN DESIGN
YES
NO
332
USER SELECTS RETURN TO LIST OF CHOICES
322
USER SELECTS OPTION FOR MORE INFORMATION
324
INFORMATION DISPLAYED
328
USER SELECTS COMPONENT
330
USER PLACES COMPONENT INTO DESIGN
DESIGN COMPLETE
334
GENERATE BILL OF MATERIALS
336
INVOKE PURCHASING ROUTINE
338
DELIVER COMPONENTS
340

FIG. 3

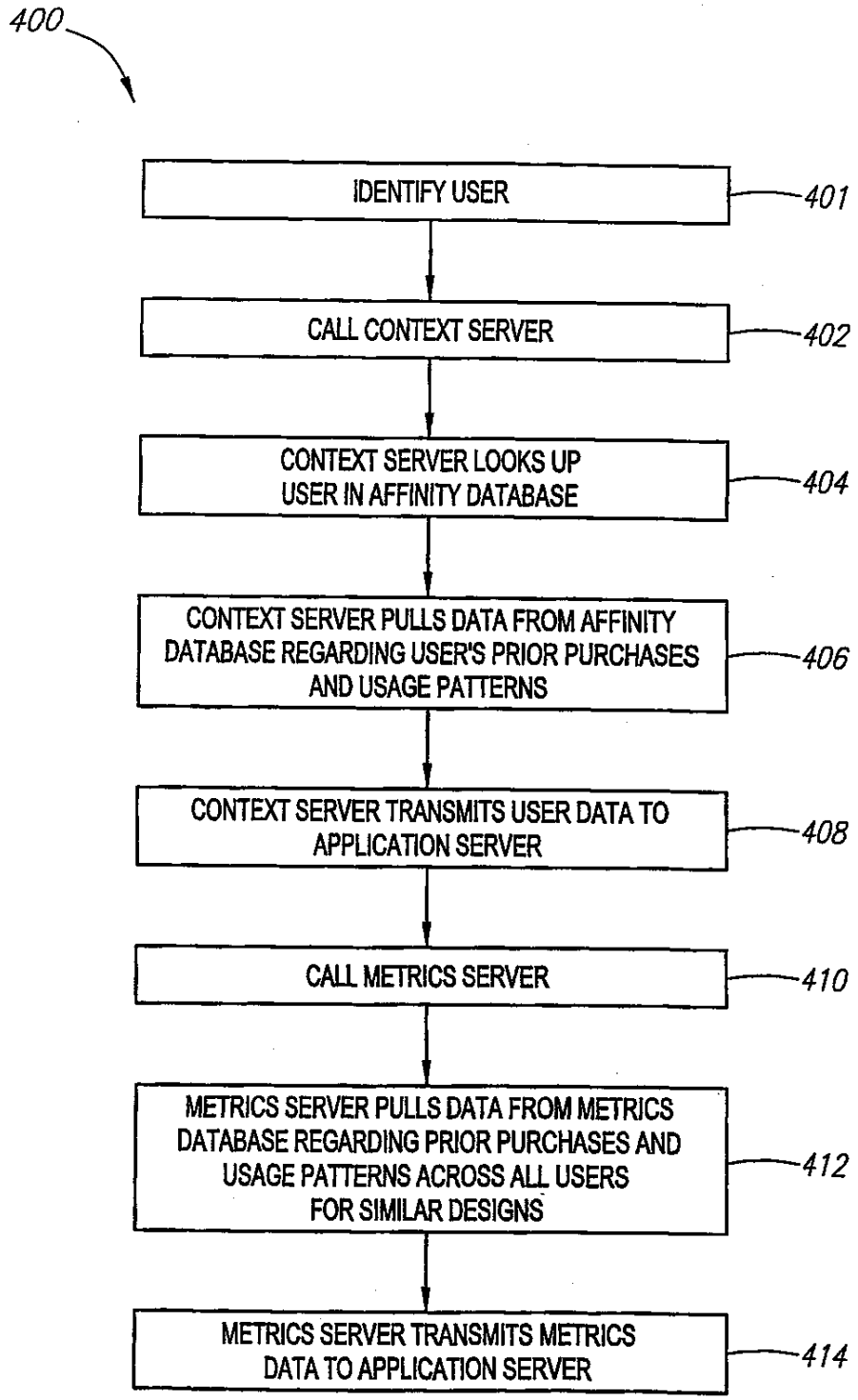

400
IDENTIFY USER
401
CALL CONTEXT SERVER
402
CONTEXT SERVER LOOKS UP USER IN AFFINITY DATABASE
404
CONTEXT SERVER PULLS DATA FROM AFFINITY DATABASE REGARDING USER'S PRIOR PURCHASES AND USAGE PATTERNS
406
CONTEXT SERVER TRANSMITS USER DATA TO APPLICATION SERVER
408
CALL METRICS SERVER
410
METRICS SERVER PULLS DATA FROM METRICS DATABASE REGARDING PRIOR PURCHASES AND USAGE PATTERNS ACROSS ALL USERS FOR SIMILAR DESIGNS
412
METRICS SERVER TRANSMITS METRICS DATA TO APPLICATION SERVER
414

FIG. 4

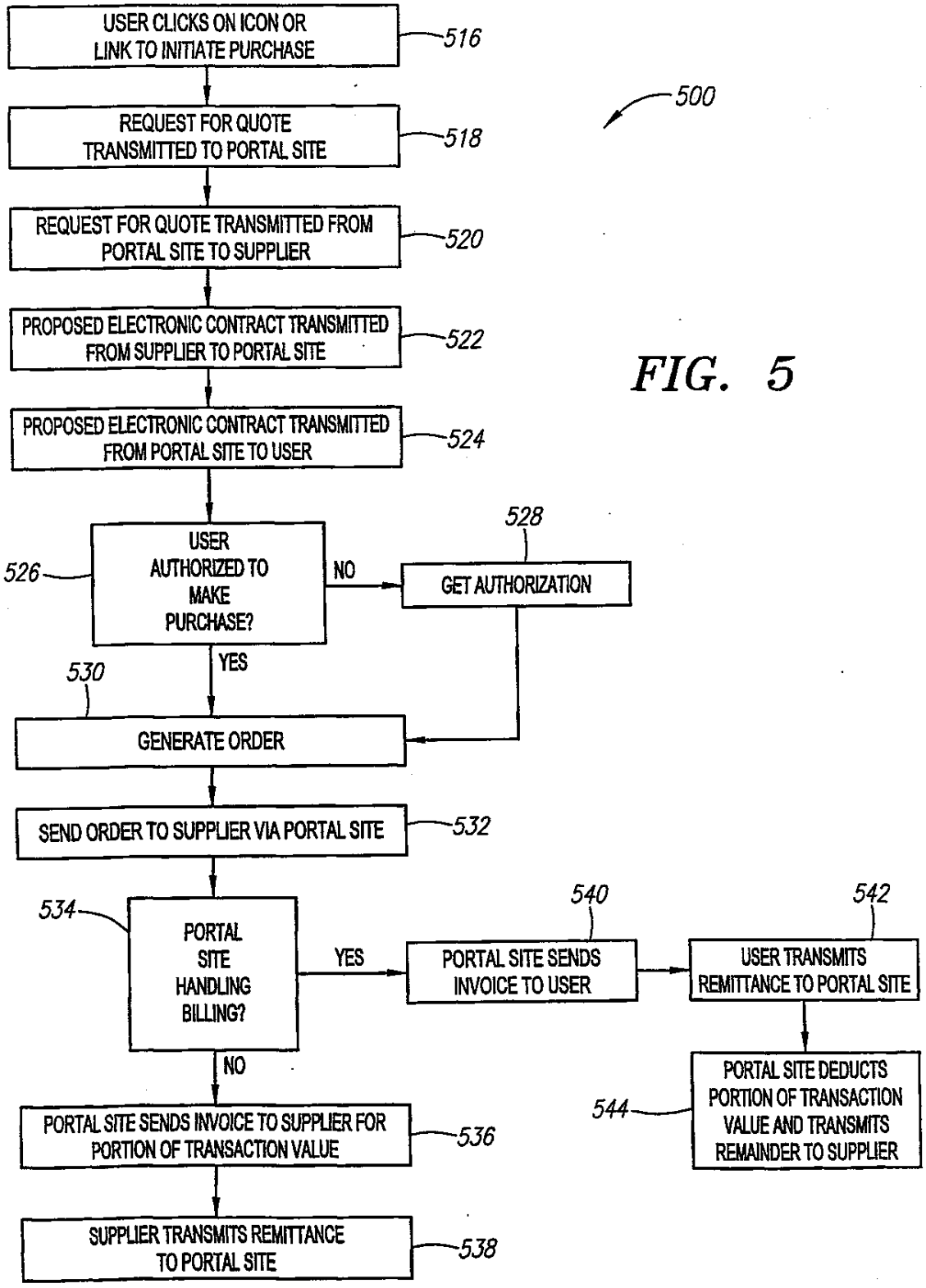

USER CLICKS ON ICON OR LINK TO INITIATE PURCHASE
516
500
REQUEST FOR QUOTE TRANSMITTED TO PORTAL SITE
518
REQUEST FOR QUOTE TRANSMITTED FROM PORTAL SITE TO SUPPLIER
520
PROPOSED ELECTRONIC CONTRACT TRANSMITTED FROM SUPPLIER TO PORTAL SITE
522
PROPOSED ELECTRONIC CONTRACT TRANSMITTED FROM PORTAL SITE TO USER
524
528
526
USER AUTHORIZED TO MAKE PURCHASE?
NO
GET AUTHORIZATION
YES
530
GENERATE ORDER
SEND ORDER TO SUPPLIER VIA PORTAL SITE
532
534
PORTAL SITE HANDLING BILLING?
YES
540
PORTAL SITE SENDS INVOICE TO USER
542
USER TRANSMITS REMITTANCE TO PORTAL SITE
PORTAL SITE DEDUCTS PORTION OF TRANSACTION VALUE AND TRANSMITS REMAINDER TO SUPPLIER
544
NO
PORTAL SITE SENDS INVOICE TO SUPPLIER FOR PORTION OF TRANSACTION VALUE
536
SUPPLIER TRANSMITS REMITTANCE TO PORTAL SITE
538

FIG. 5

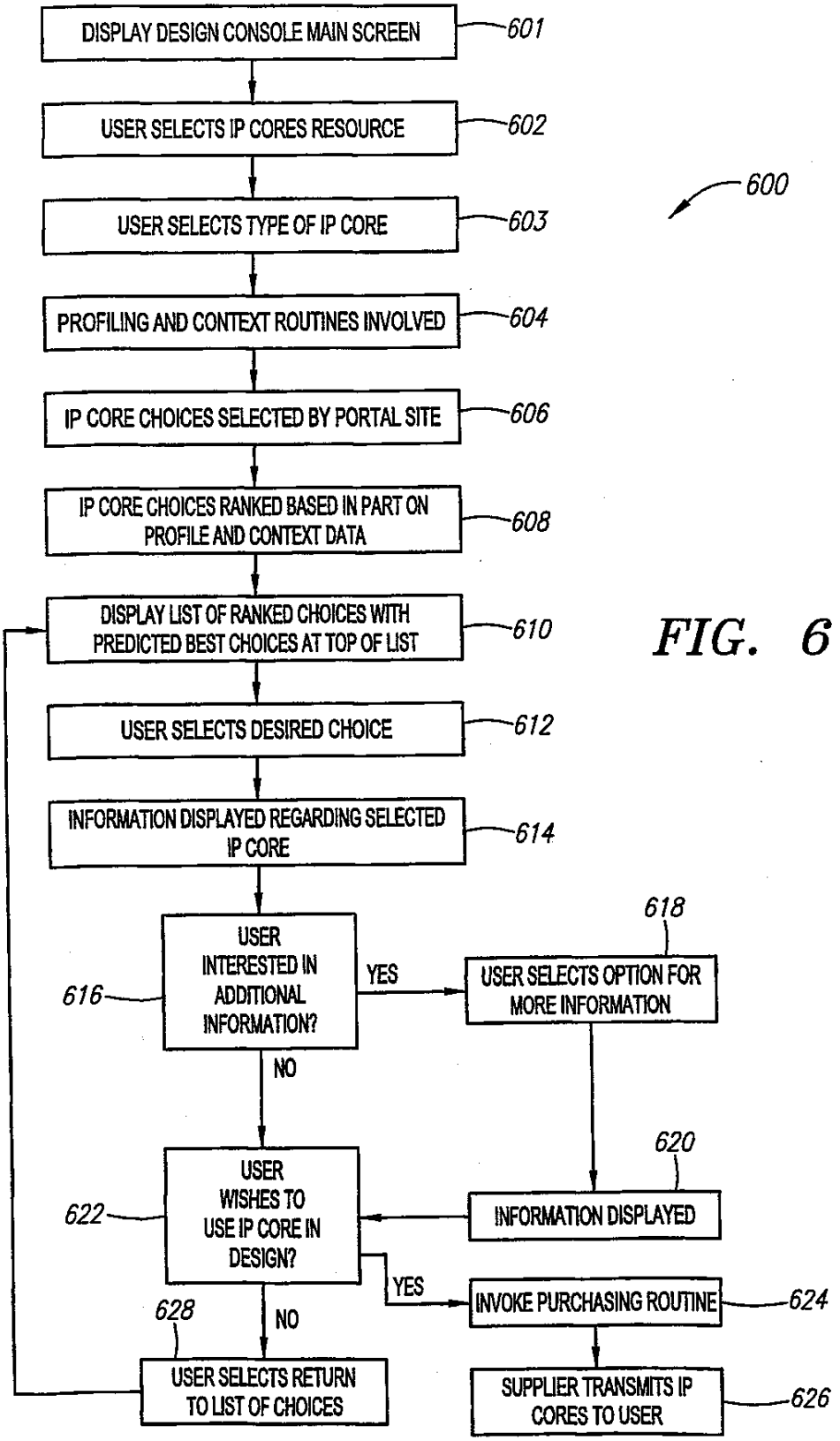

DISPLAY DESIGN CONSOLE MAIN SCREEN
601
USER SELECTS IP CORES RESOURCE
602
600
USER SELECTS TYPE OF IP CORE
603
PROFILING AND CONTEXT ROUTINES INVOLVED
604
IP CORE CHOICES SELECTED BY PORTAL SITE
606
IP CORE CHOICES RANKED BASED IN PART ON PROFILE AND CONTEXT DATA
608
DISPLAY LIST OF RANKED CHOICES WITH PREDICTED BEST CHOICES AT TOP OF LIST
610
USER SELECTS DESIRED CHOICE
612
INFORMATION DISPLAYED REGARDING SELECTED IP CORE
614
USER INTERESTED IN ADDITIONAL INFORMATION?
616
YES
618
USER SELECTS OPTION FOR MORE INFORMATION
NO
620
INFORMATION DISPLAYED
USER WISHES TO USE IP CORE IN DESIGN?
622
YES
INVOKE PURCHASING ROUTINE
624
628
NO
USER SELECTS RETURN TO LIST OF CHOICES
SUPPLIER TRANSMITS IP CORES TO USER
626

FIG. 6

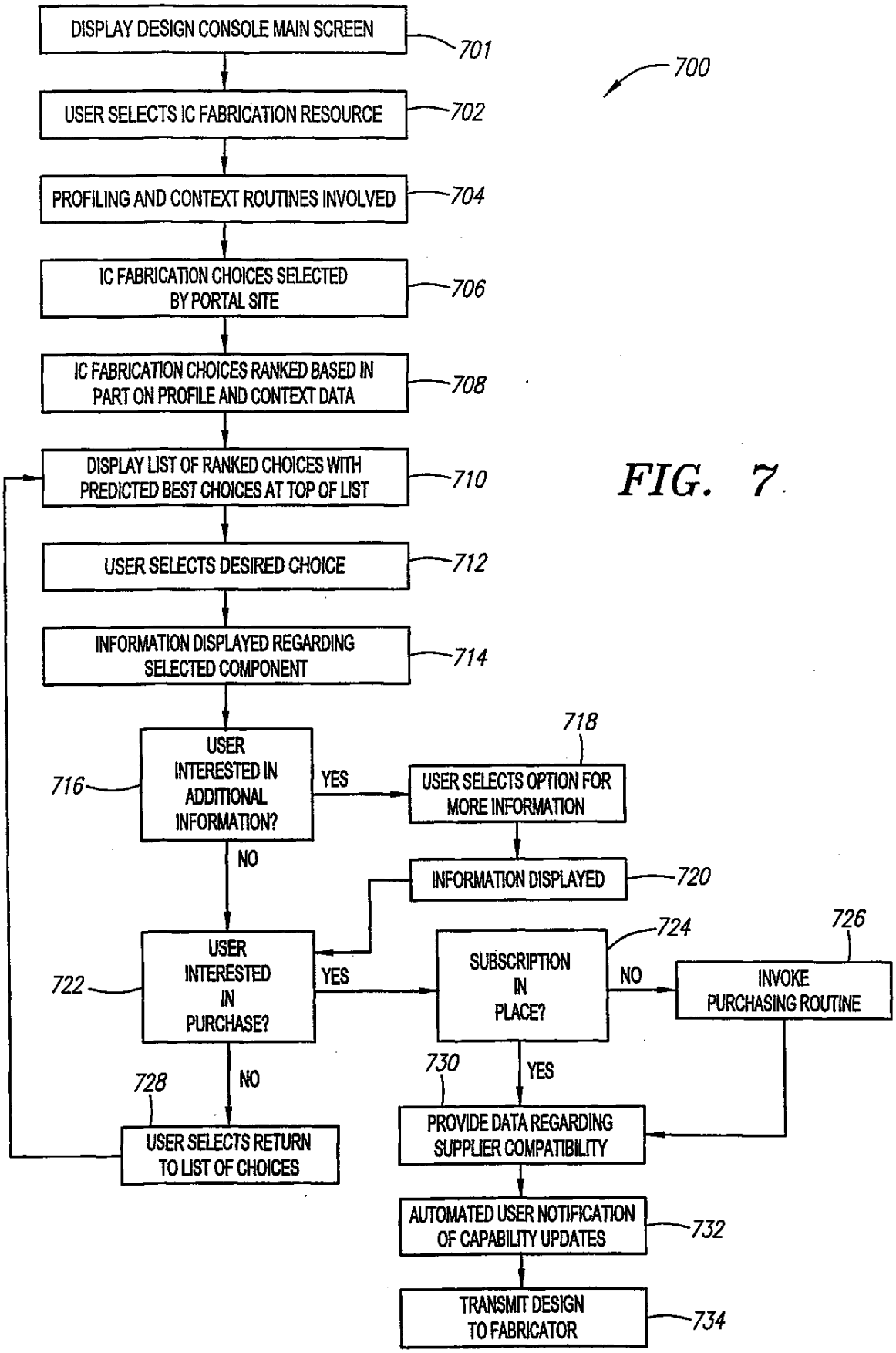

DISPLAY DESIGN CONSOLE MAIN SCREEN
701
700
USER SELECTS IC FABRICATION RESOURCE
702
PROFILING AND CONTEXT ROUTINES INVOLVED
704
IC FABRICATION CHOICES SELECTED BY PORTAL SITE
706
IC FABRICATION CHOICES RANKED BASED IN PART ON PROFILE AND CONTEXT DATA
708
DISPLAY LIST OF RANKED CHOICES WITH PREDICTED BEST CHOICES AT TOP OF LIST
710
USER SELECTS DESIRED CHOICE
712
INFORMATION DISPLAYED REGARDING SELECTED COMPONENT
714
718
716
USER INTERESTED IN ADDITIONAL INFORMATION?
YES
USER SELECTS OPTION FOR MORE INFORMATION
NO
INFORMATION DISPLAYED
720
724
726
722
USER INTERESTED IN PURCHASE?
YES
SUBSCRIPTION IN PLACE?
NO
INVOKE PURCHASING ROUTINE
730
728
NO
YES
USER SELECTS RETURN TO LIST OF CHOICES
PROVIDE DATA REGARDING SUPPLIER COMPATIBILITY
AUTOMATED USER NOTIFICATION OF CAPABILITY UPDATES
732
TRANSMIT DESIGN TO FABRICATOR
734

FIG. 7

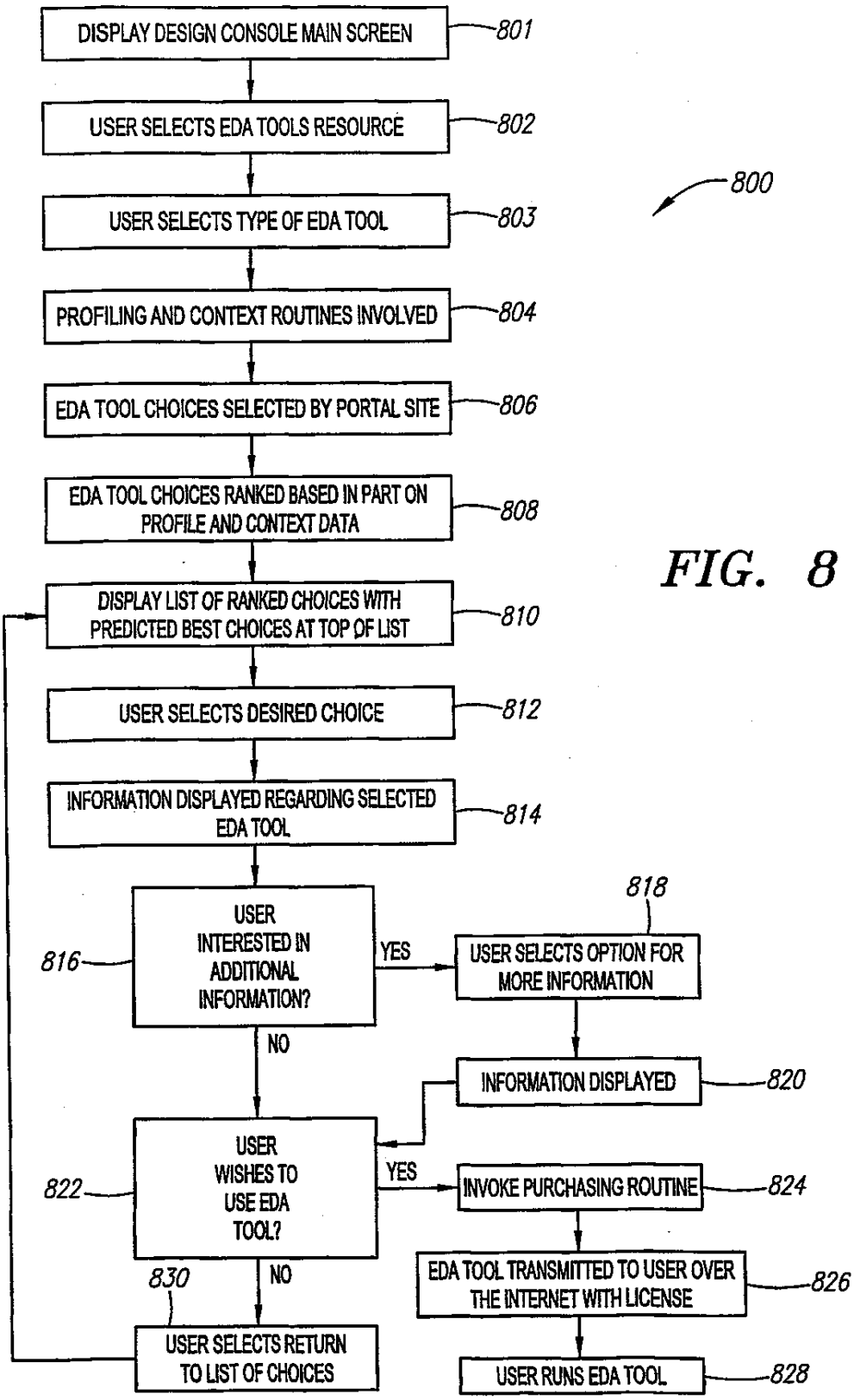

DISPLAY DESIGN CONSOLE MAIN SCREEN
801
USER SELECTS EDA TOOLS RESOURCE
802
800
USER SELECTS TYPE OF EDA TOOL
803
PROFILING AND CONTEXT ROUTINES INVOLVED
804
EDA TOOL CHOICES SELECTED BY PORTAL SITE
806
EDA TOOL CHOICES RANKED BASED IN PART ON PROFILE AND CONTEXT DATA
808
DISPLAY LIST OF RANKED CHOICES WITH PREDICTED BEST CHOICES AT TOP OF LIST
810
USER SELECTS DESIRED CHOICE
812
INFORMATION DISPLAYED REGARDING SELECTED EDA TOOL
814
816
USER INTERESTED IN ADDITIONAL INFORMATION?
YES
818
USER SELECTS OPTION FOR MORE INFORMATION
NO
INFORMATION DISPLAYED
820
822
USER WISHES TO USE EDA TOOL?
YES
INVOKE PURCHASING ROUTINE
824
EDA TOOL TRANSMITTED TO USER OVER THE INTERNET WITH LICENSE
826
830
NO
USER SELECTS RETURN TO LIST OF CHOICES
USER RUNS EDA TOOL
828

FIG. 8

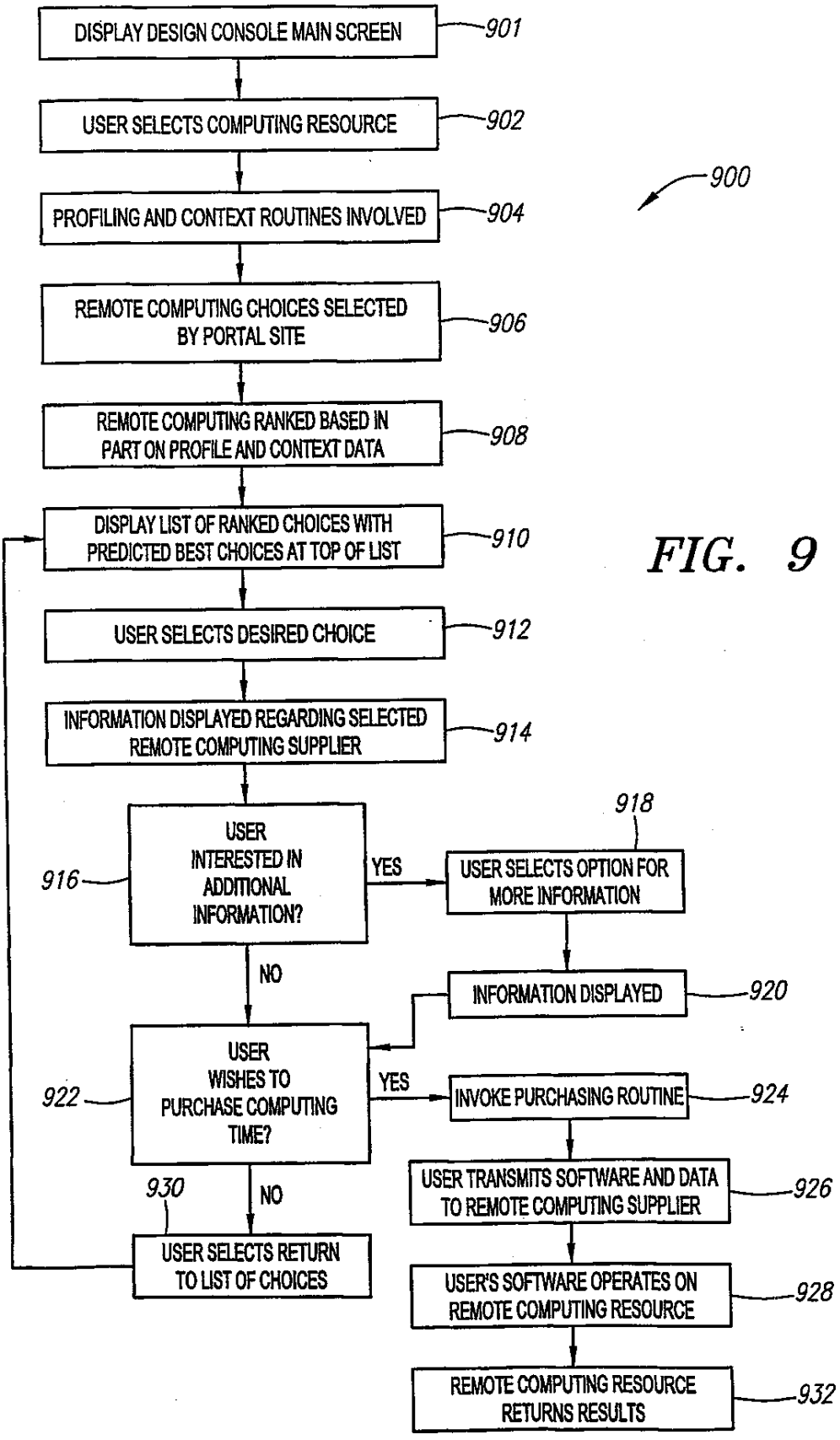

DISPLAY DESIGN CONSOLE MAIN SCREEN
901
USER SELECTS COMPUTING RESOURCE
902
900
PROFILING AND CONTEXT ROUTINES INVOLVED
904
REMOTE COMPUTING CHOICES SELECTED BY PORTAL SITE
906
REMOTE COMPUTING RANKED BASED IN PART ON PROFILE AND CONTEXT DATA
908
DISPLAY LIST OF RANKED CHOICES WITH PREDICTED BEST CHOICES AT TOP OF LIST
910
USER SELECTS DESIRED CHOICE
912
INFORMATION DISPLAYED REGARDING SELECTED REMOTE COMPUTING SUPPLIER
914
USER INTERESTED IN ADDITIONAL INFORMATION?
916
YES
918
USER SELECTS OPTION FOR MORE INFORMATION
NO
INFORMATION DISPLAYED
920
USER WISHES TO PURCHASE COMPUTING TIME?
922
YES
INVOKE PURCHASING ROUTINE
924
USER TRANSMITS SOFTWARE AND DATA TO REMOTE COMPUTING SUPPLIER
926
930
NO
USER SELECTS RETURN TO LIST OF CHOICES
USER'S SOFTWARE OPERATES ON REMOTE COMPUTING RESOURCE
928
REMOTE COMPUTING RESOURCE RETURNS RESULTS
932

FIG. 9

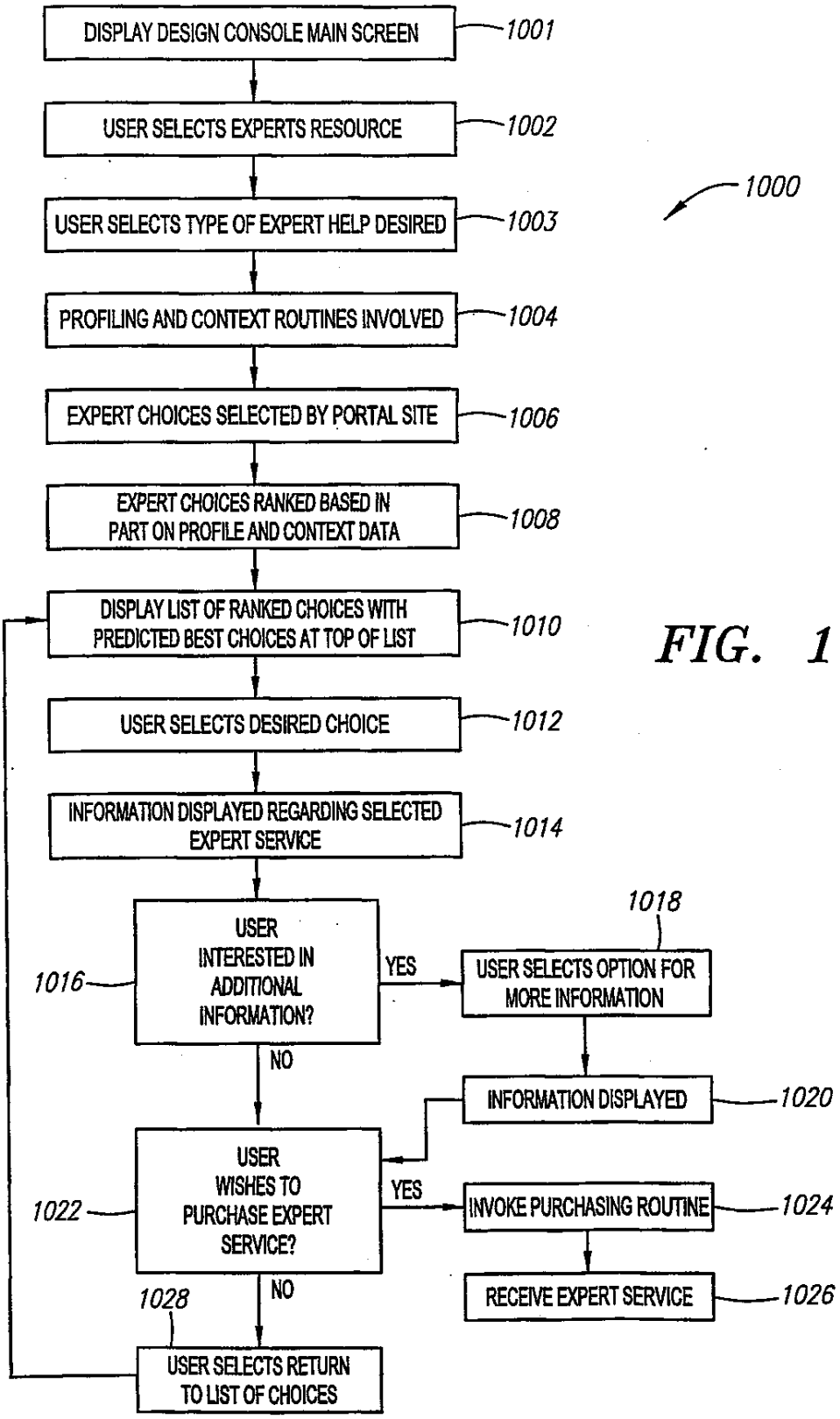

DISPLAY DESIGN CONSOLE MAIN SCREEN
1001
USER SELECTS EXPERTS RESOURCE
1002
1000
USER SELECTS TYPE OF EXPERT HELP DESIRED
1003
PROFILING AND CONTEXT ROUTINES INVOLVED
1004
EXPERT CHOICES SELECTED BY PORTAL SITE
1006
EXPERT CHOICES RANKED BASED IN PART ON PROFILE AND CONTEXT DATA
1008
DISPLAY LIST OF RANKED CHOICES WITH PREDICTED BEST CHOICES AT TOP OF LIST
1010
USER SELECTS DESIRED CHOICE
1012
INFORMATION DISPLAYED REGARDING SELECTED EXPERT SERVICE
1014
1018
USER INTERESTED IN ADDITIONAL INFORMATION?
1016
YES
USER SELECTS OPTION FOR MORE INFORMATION
NO
INFORMATION DISPLAYED
1020
USER WISHES TO PURCHASE EXPERT SERVICE?
1022
YES
INVOKE PURCHASING ROUTINE
1024
RECEIVE EXPERT SERVICE
1026
NO
1028
USER SELECTS RETURN TO LIST OF CHOICES

FIG. 10