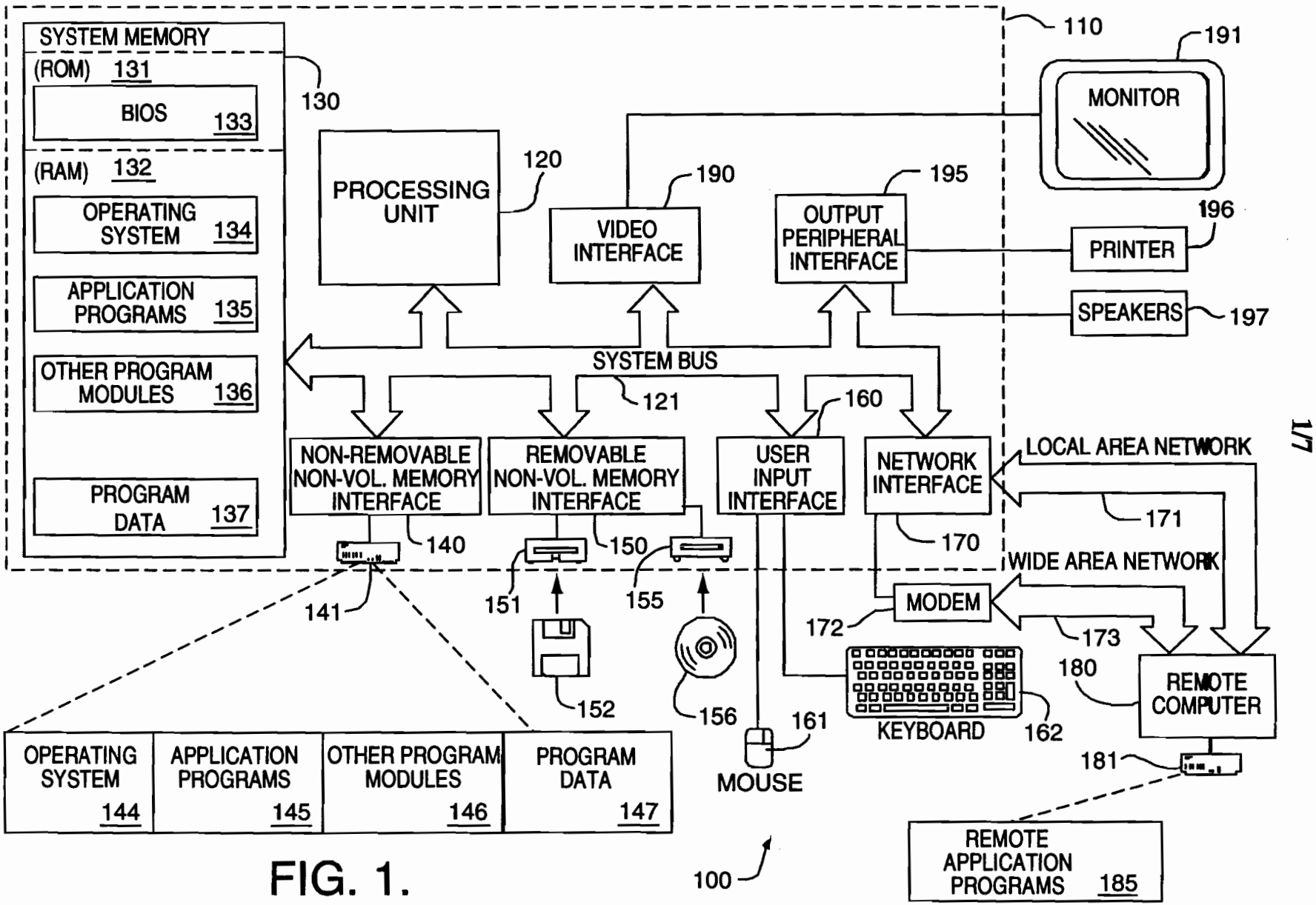

SYSTEM MEMORY
(ROM) 131
BIOS 133
(RAM) 132
OPERATING SYSTEM 134
APPLICATION PROGRAMS 135
OTHER PROGRAM MODULES 136
PROGRAM DATA 137
130
110
PROCESSING UNIT
120
VIDEO INTERFACE
190
OUTPUT PERIPHERAL INTERFACE
195
MONITOR
191
PRINTER
196
SPEAKERS
197
SYSTEM BUS
121
160
NON-REMOVABLE NON-VOL. MEMORY INTERFACE
REMOVABLE NON-VOL. MEMORY INTERFACE
USER INPUT INTERFACE
NETWORK INTERFACE
LOCAL AREA NETWORK
171
170
WIDE AREA NETWORK
MODEM
172
173
140
150
141
151
155
152
156
161
MOUSE
KEYBOARD
162
180
REMOTE COMPUTER
181
OPERATING SYSTEM 144
APPLICATION PROGRAMS 145
OTHER PROGRAM MODULES 146
PROGRAM DATA 147
REMOTE APPLICATION PROGRAMS 185
100

FIG. 1.

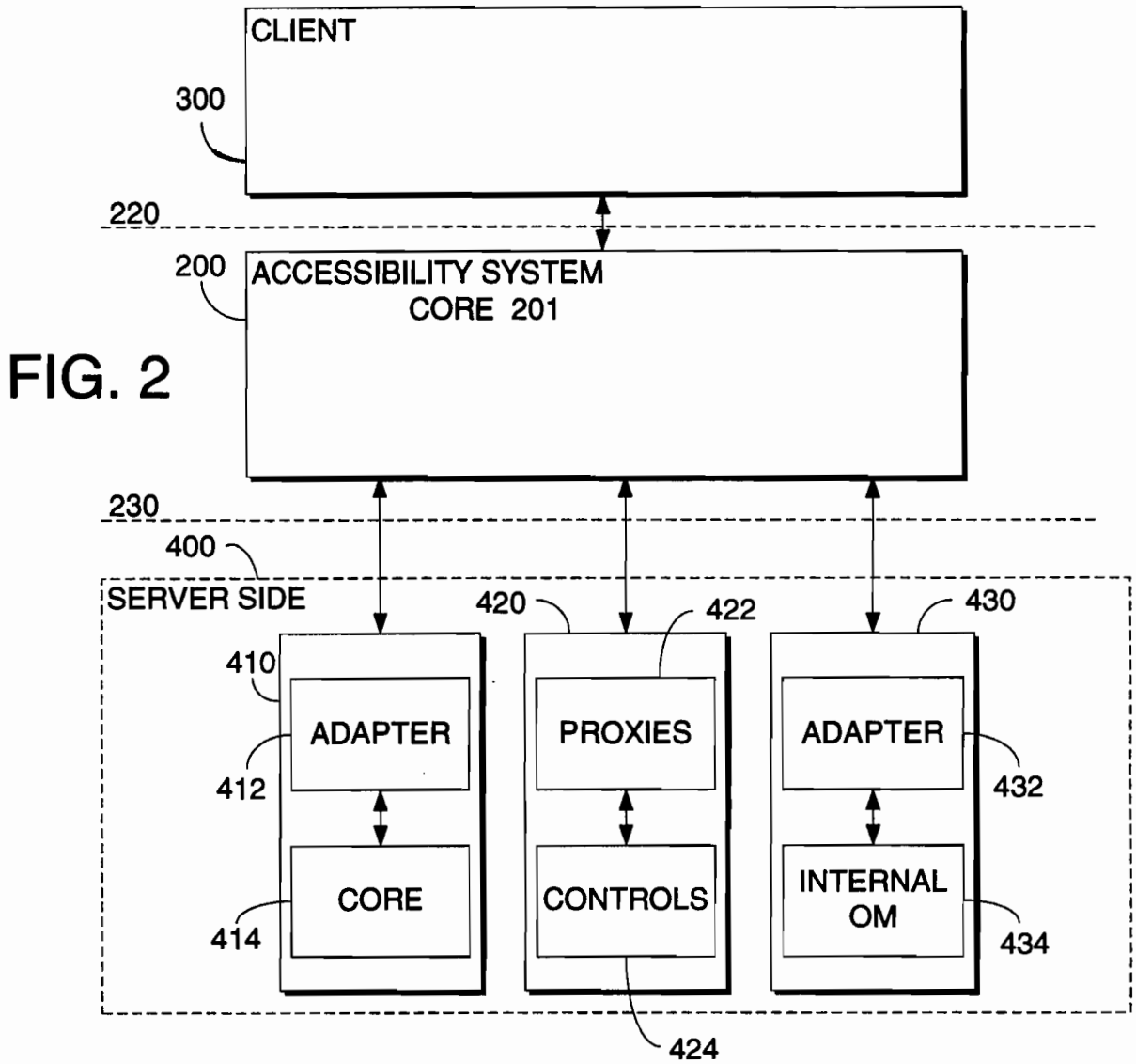

CLIENT
300
220
200
ACCESSIBILITY SYSTEM
CORE 201
230
400
SERVER SIDE
420
422
430
410
ADAPTER
412
PROXIES
ADAPTER
432
CORE
414
CONTROLS
INTERNAL
OM
434
424

FIG. 2

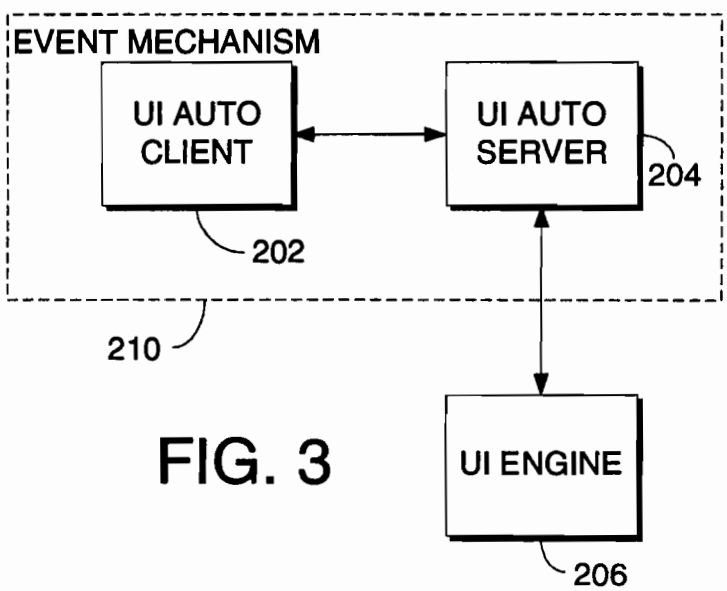

EVENT MECHANISM
UI AUTO
CLIENT
UI AUTO
SERVER
204
202
210
UI ENGINE
206

FIG. 3

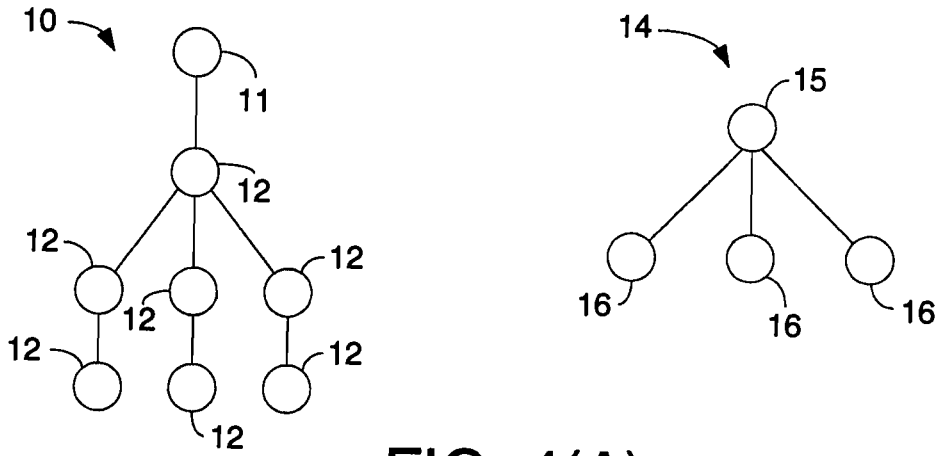

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FIG. 4(A)

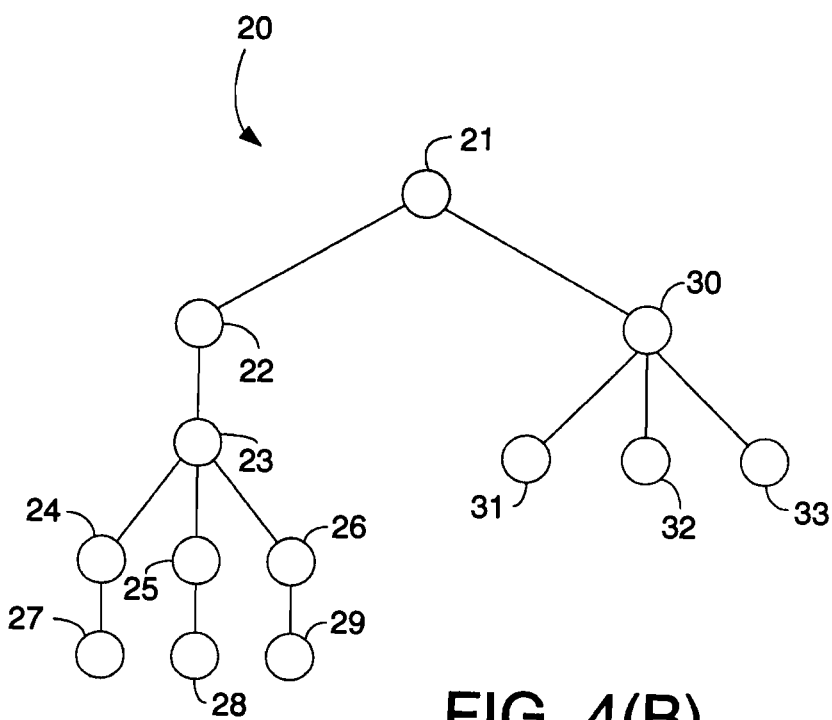

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33

FIG. 4(B)

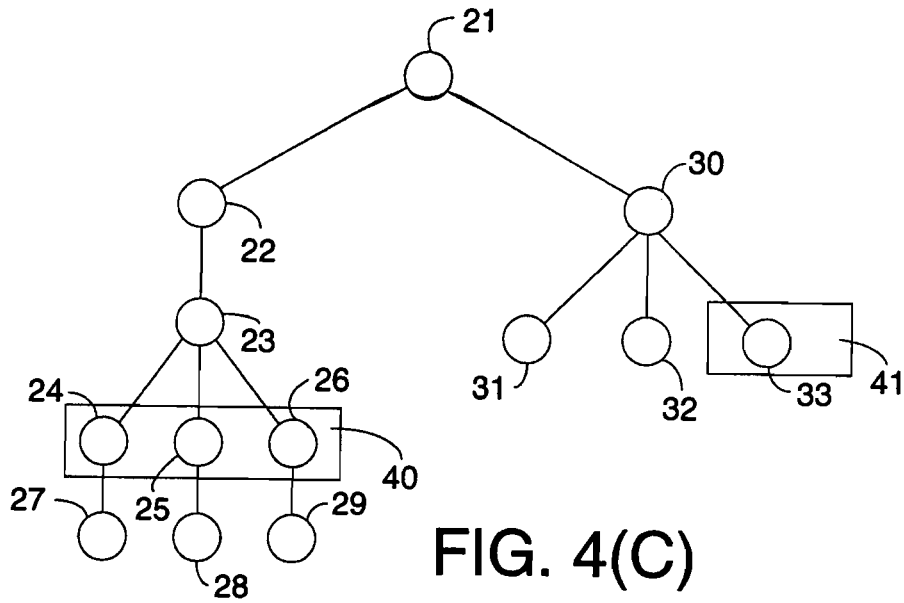


FIG. 4(C)

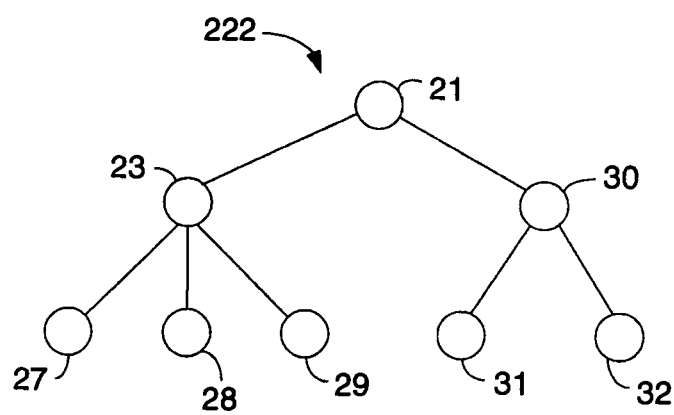


FIG. 4(D)

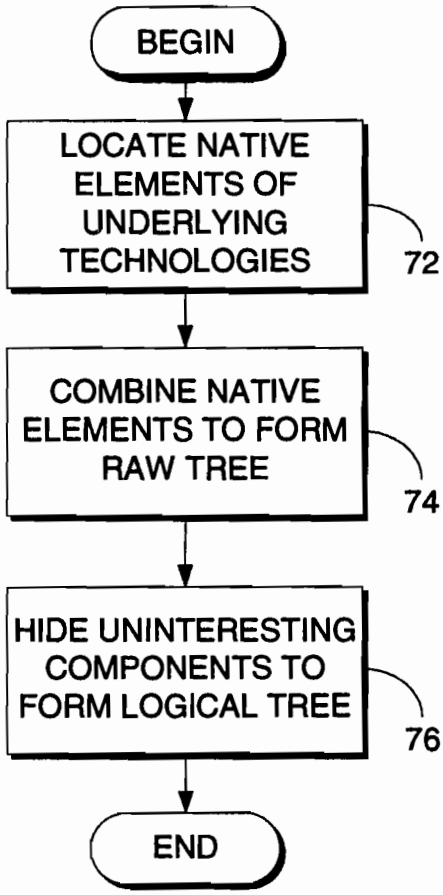

BEGIN
LOCATE NATIVE ELEMENTS OF UNDERLYING TECHNOLOGIES
72
COMBINE NATIVE ELEMENTS TO FORM RAW TREE
74
HIDE UNINTERESTING COMPONENTS TO FORM LOGICAL TREE
76
END

FIG. 5

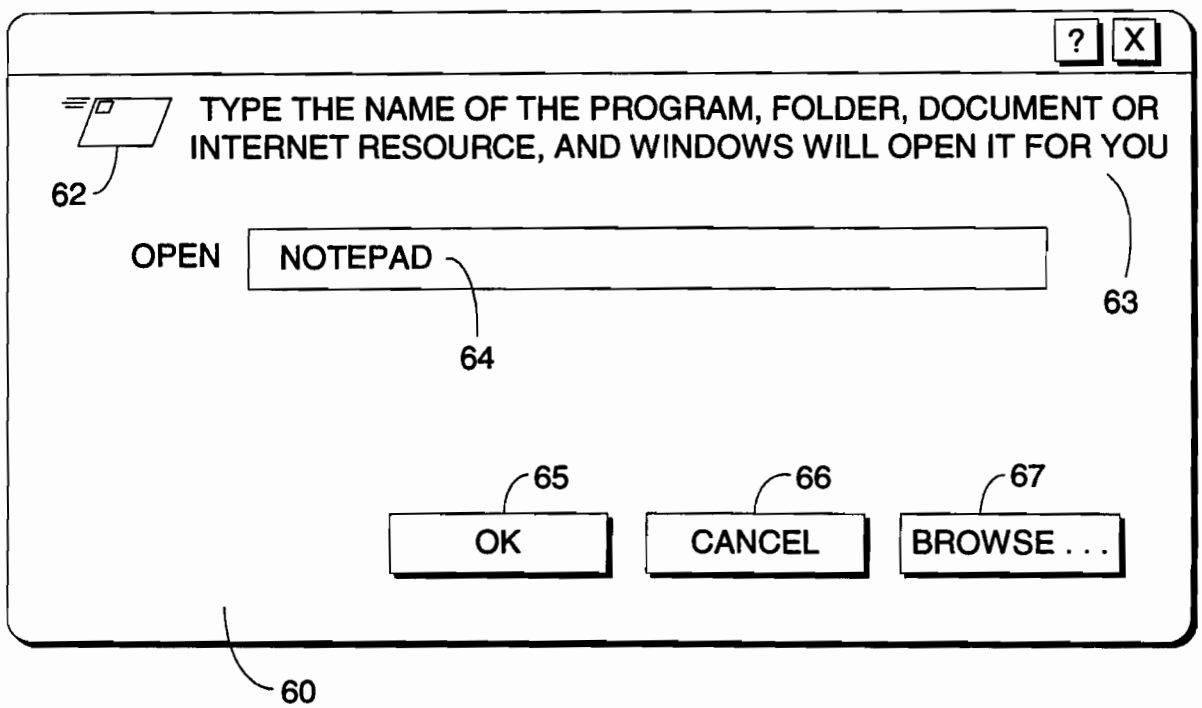

?
X
62
TYPE THE NAME OF THE PROGRAM, FOLDER, DOCUMENT OR INTERNET RESOURCE, AND WINDOWS WILL OPEN IT FOR YOU
63
OPEN
NOTEPAD
64
65
66
67
OK
CANCEL
BROWSE . . .
60

FIG. 6

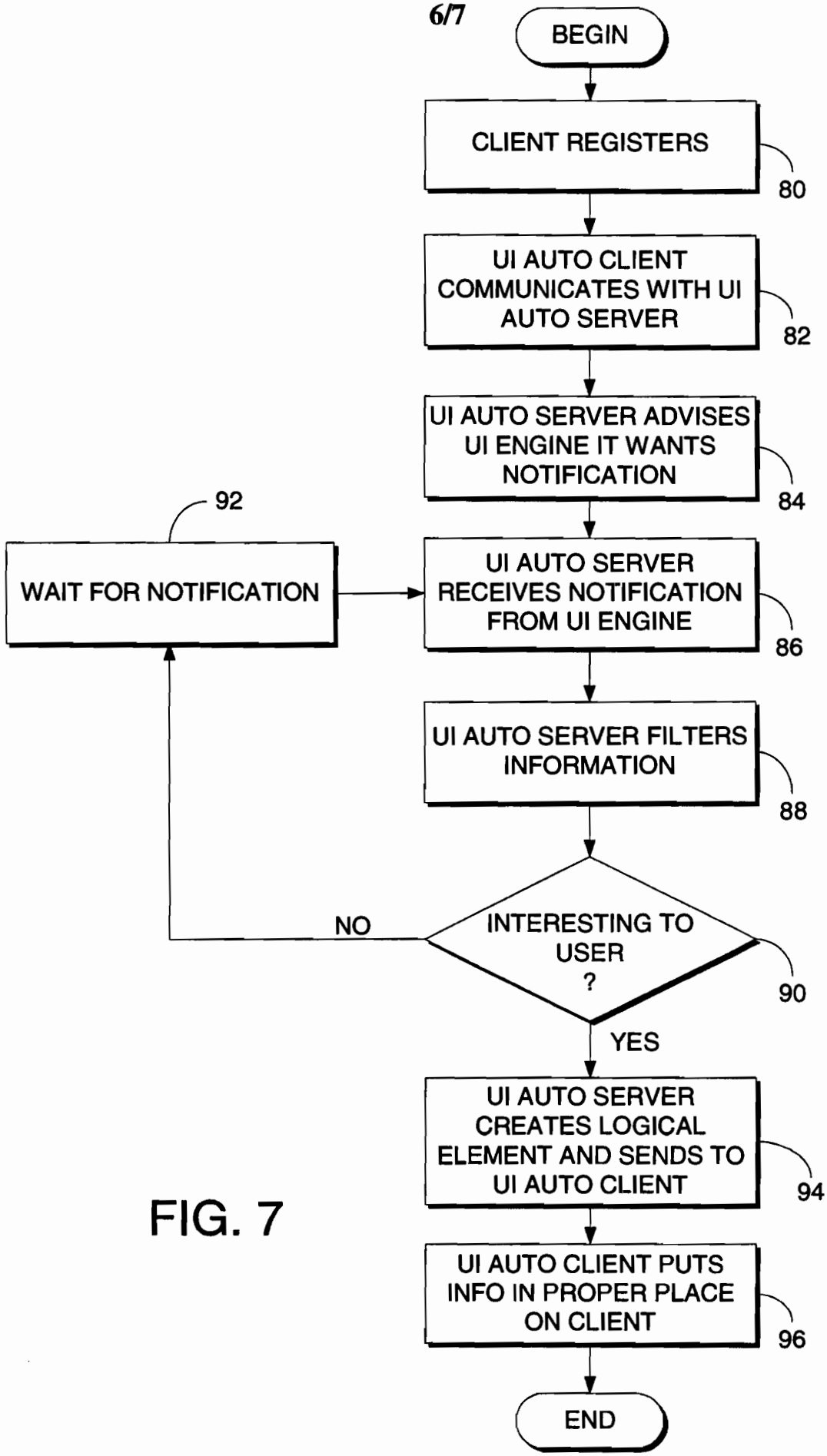
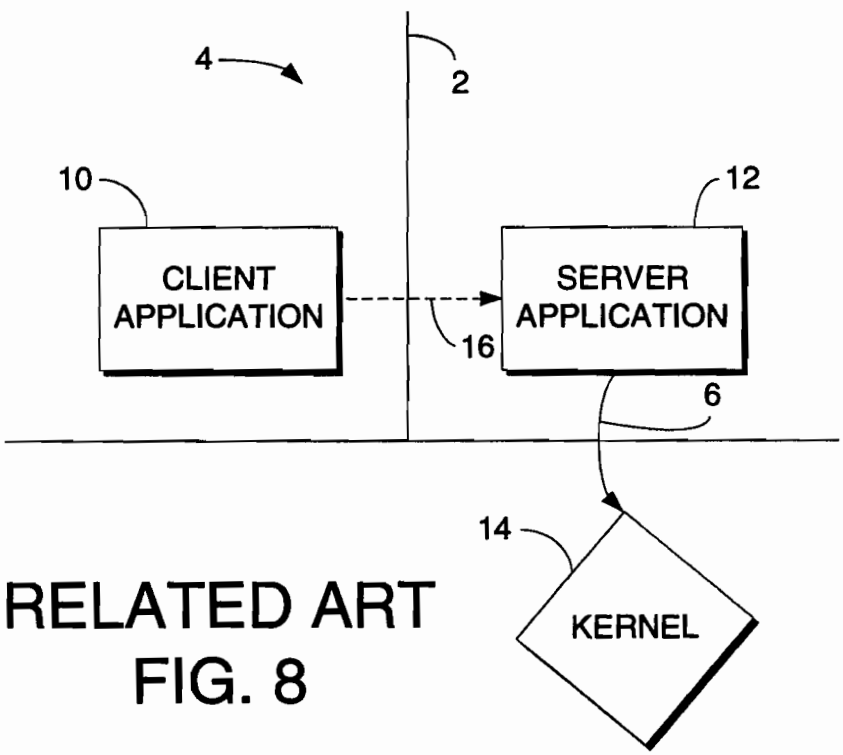

BEGIN
CLIENT REGISTERS
80
UI AUTO CLIENT COMMUNICATES WITH UI AUTO SERVER
82
UI AUTO SERVER ADVISES UI ENGINE IT WANTS NOTIFICATION
84
92
WAIT FOR NOTIFICATION
UI AUTO SERVER RECEIVES NOTIFICATION FROM UI ENGINE
86
UI AUTO SERVER FILTERS INFORMATION
88
NO
INTERESTING TO USER ?
90
YES
UI AUTO SERVER CREATES LOGICAL ELEMENT AND SENDS TO UI AUTO CLIENT
94
UI AUTO CLIENT PUTS INFO IN PROPER PLACE ON CLIENT
96
END

FIG. 7



RELATED ART
FIG. 8