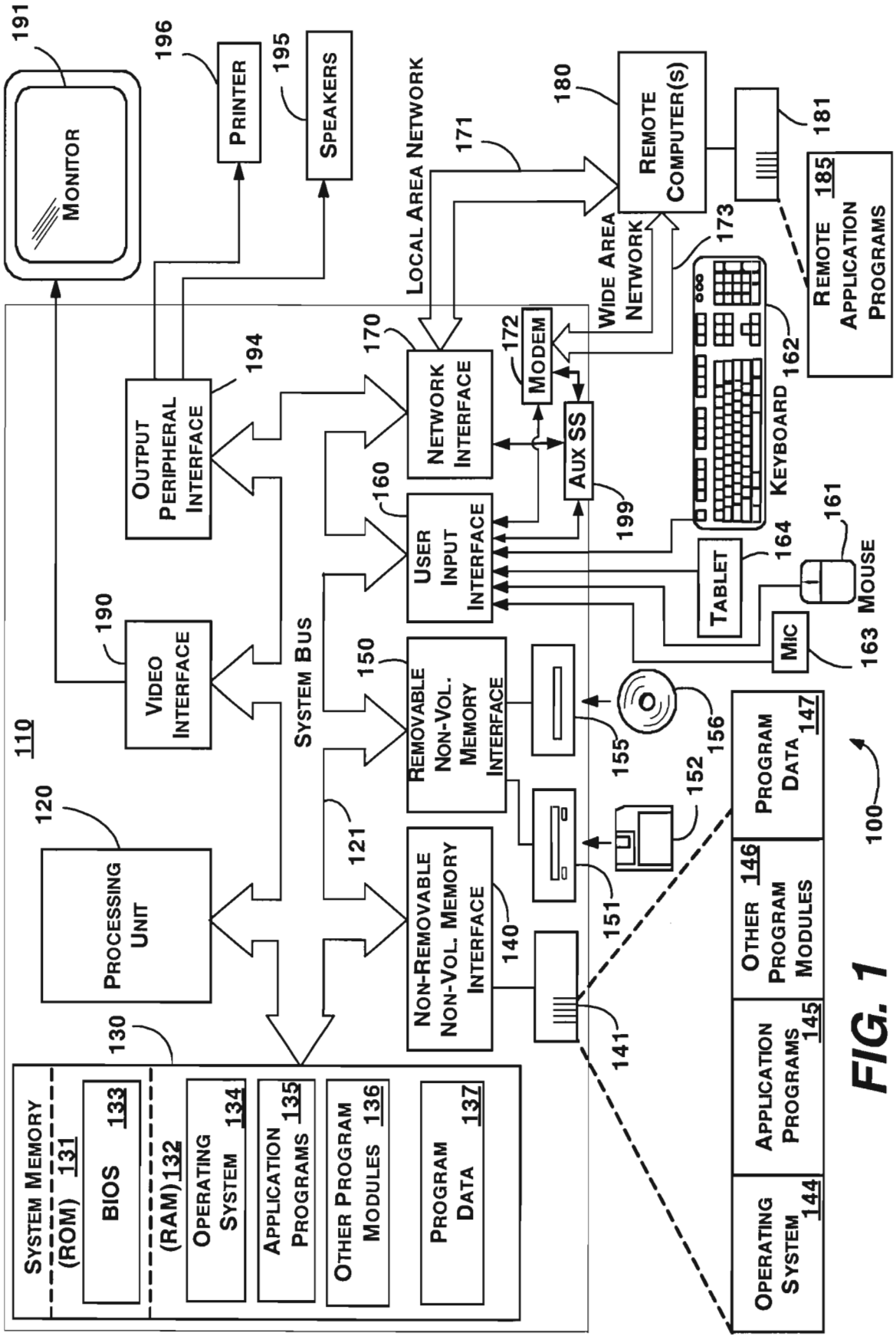

191
MONITOR
196
PRINTER
195
SPEAKERS
LOCAL AREA NETWORK
171
180
REMOTE COMPUTER(S)
181
WIDE AREA NETWORK
173
185
REMOTE APPLICATION PROGRAMS
OUTPUT PERIPHERAL INTERFACE
194
170
NETWORK INTERFACE
172
MODEM
AUX SS
199
162
KEYBOARD
160
USER INPUT INTERFACE
164
TABLET
161
MOUSE
163
MIC
190
VIDEO INTERFACE
SYSTEM BUS
150
REMOVABLE NON-VOL. MEMORY INTERFACE
155
156
110
120
PROCESSING UNIT
121
152
147
PROGRAM DATA
NON-REMOVABLE NON-VOL. MEMORY INTERFACE
140
151
146
OTHER PROGRAM MODULES
130
141
145
APPLICATION PROGRAMS
SYSTEM MEMORY (ROM) 131
BIOS 133
(RAM) 132
OPERATING SYSTEM 134
APPLICATION PROGRAMS 135
OTHER PROGRAM MODULES 136
PROGRAM DATA 137
144
OPERATING SYSTEM
100

FIG. 1

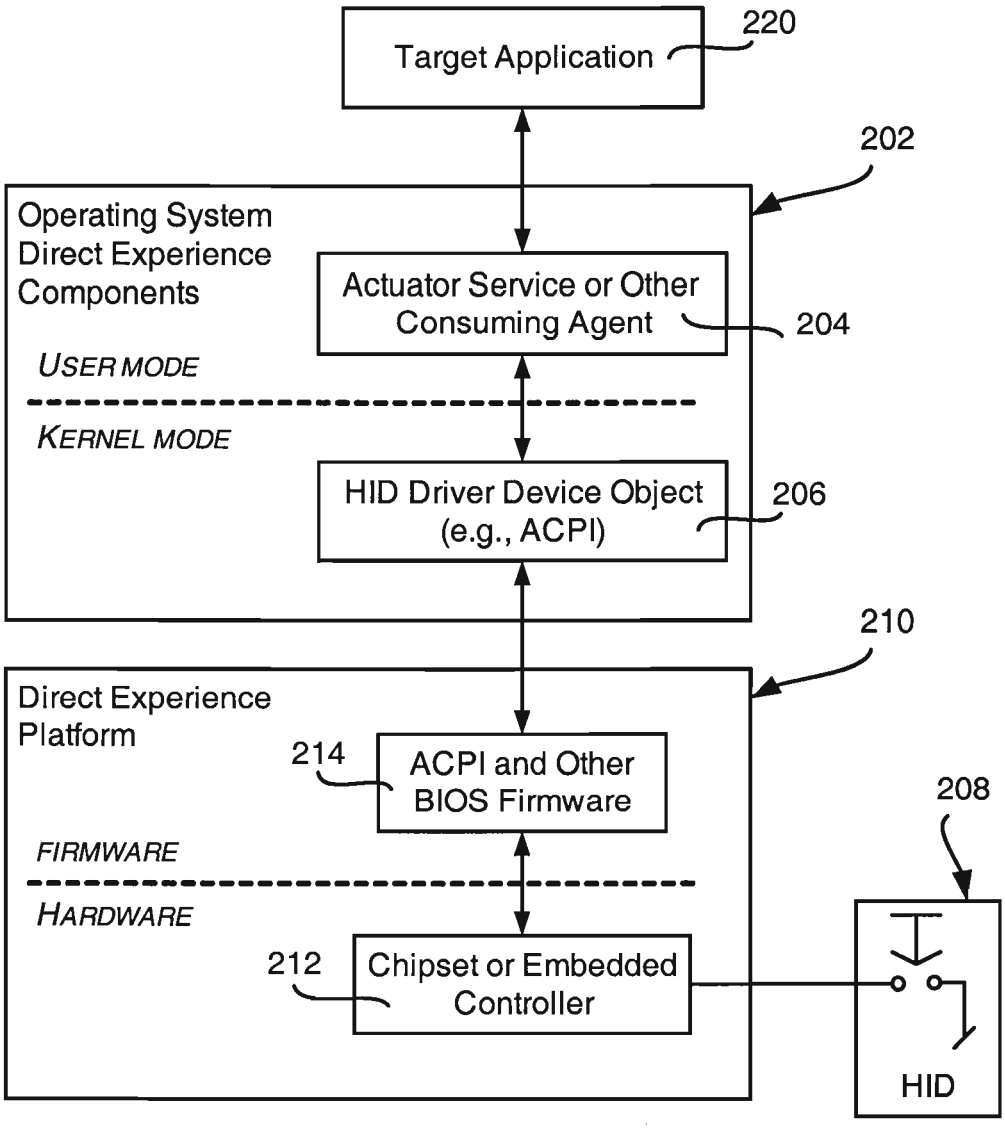

Target Application
220
202
Operating System
Direct Experience
Components
Actuator Service or Other
Consuming Agent
204
USER MODE
KERNEL MODE
HID Driver Device Object
(e.g., ACPI)
206
210
Direct Experience
Platform
214
ACPI and Other
BIOS Firmware
208
FIRMWARE
HARDWARE
212
Chipset or Embedded
Controller
HID

FIG. 2

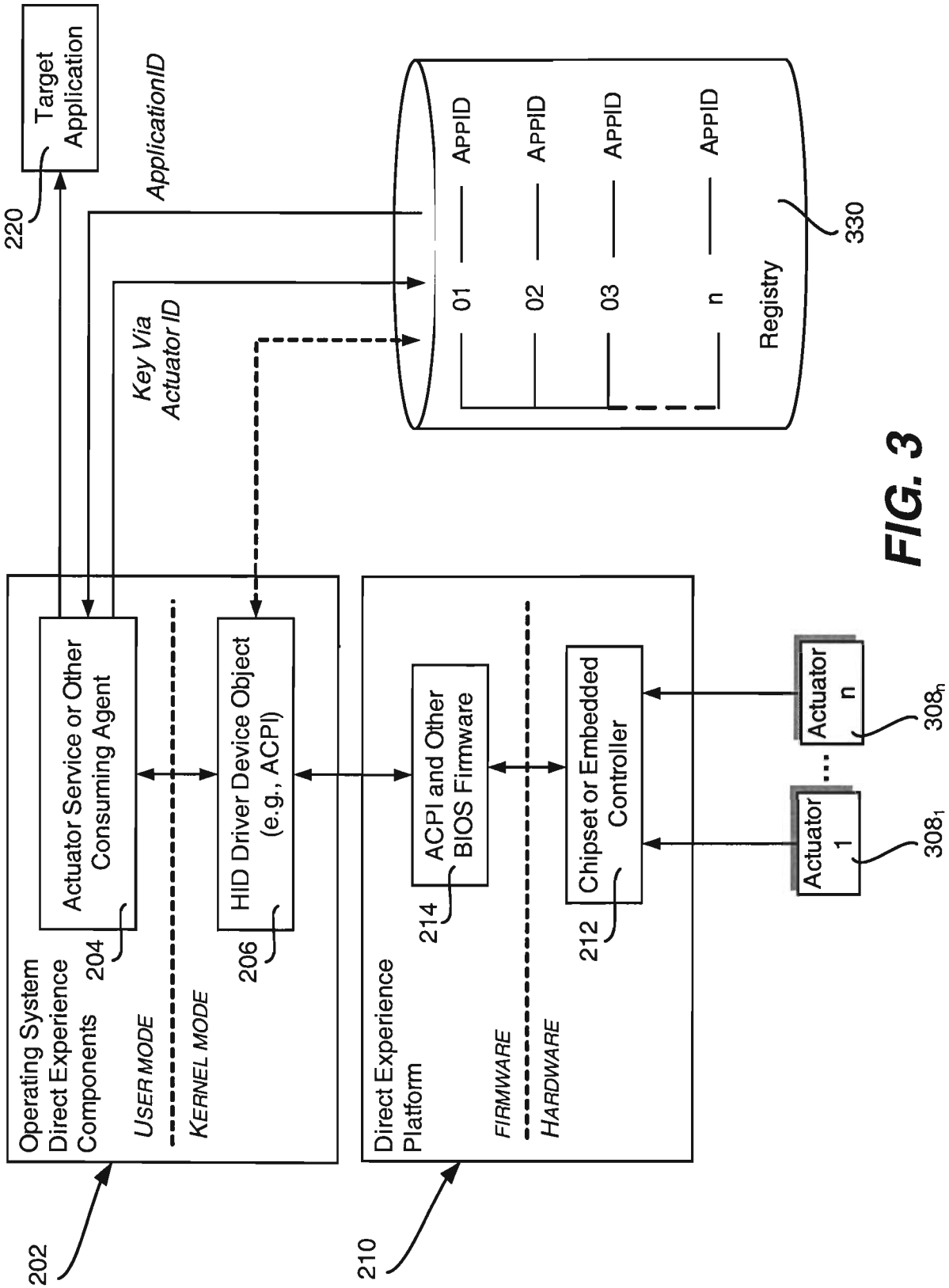

Target Application
220
ApplicationID
Key Via Actuator ID
APPID
01
02
03
n
Registry
330
Operating System Direct Experience Components
USER MODE
KERNEL MODE
Actuator Service or Other Consuming Agent
204
HID Driver Device Object (e.g., ACPI)
206
202
Direct Experience Platform
FIRMWARE
HARDWARE
ACPI and Other BIOS Firmware
214
Chipset or Embedded Controller
212
210
Actuator 1
Actuator n
308n
308₁

FIG. 3

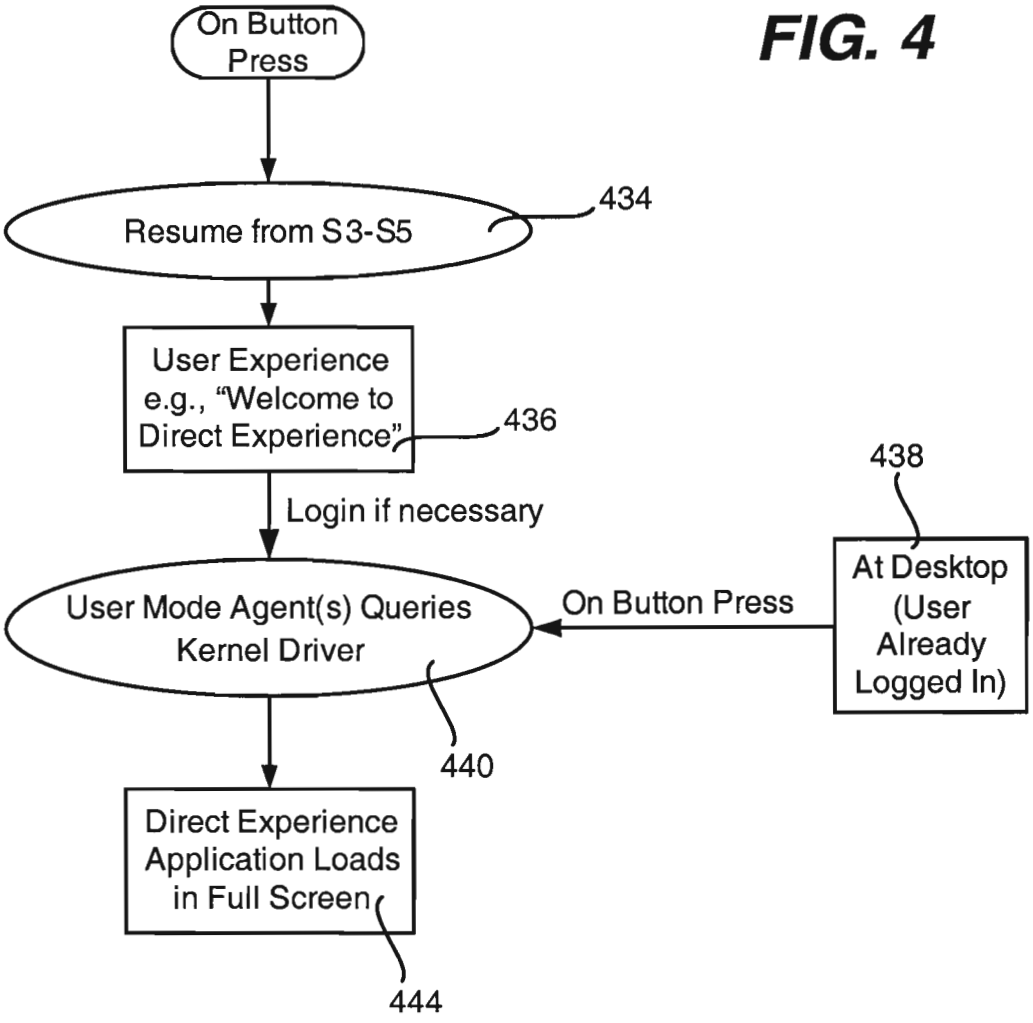

On Button Press
Resume from S3-S5
434
User Experience e.g., "Welcome to Direct Experience"
436
Login if necessary
User Mode Agent(s) Queries Kernel Driver
On Button Press
438
At Desktop (User Already Logged In)
440
Direct Experience Application Loads in Full Screen
444

FIG. 4

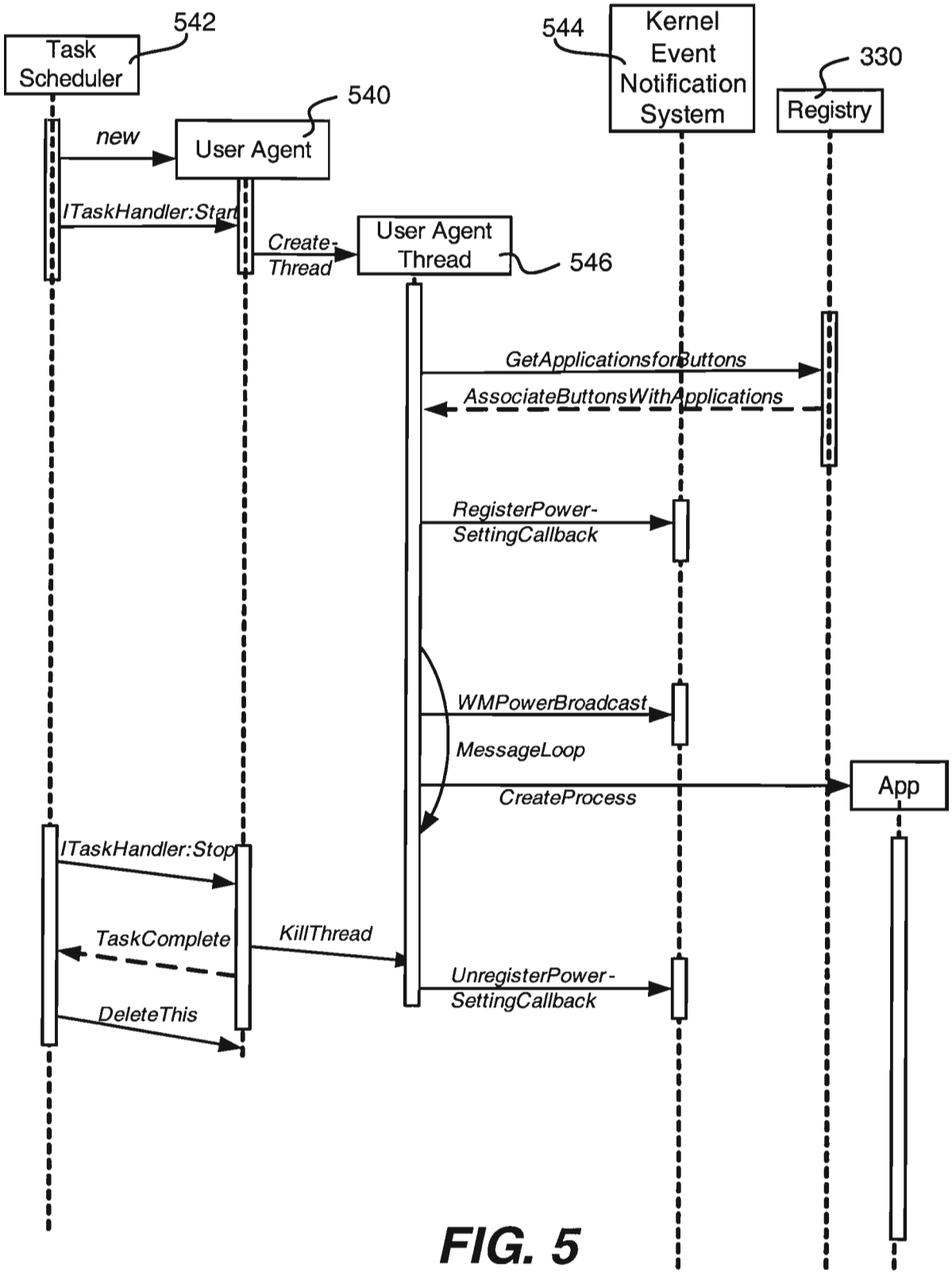

Task Scheduler
542
User Agent
540
Kernel Event Notification System
544
Registry
330
new
ITaskHandler:Start
Create-Thread
User Agent Thread
546
GetApplicationsforButtons
AssociateButtonsWithApplications
RegisterPower-SettingCallback
WMPowerBroadcast
MessageLoop
CreateProcess
App
ITaskHandler:Stop
TaskComplete
KillThread
UnregisterPower-SettingCallback
DeleteThis

FIG. 5

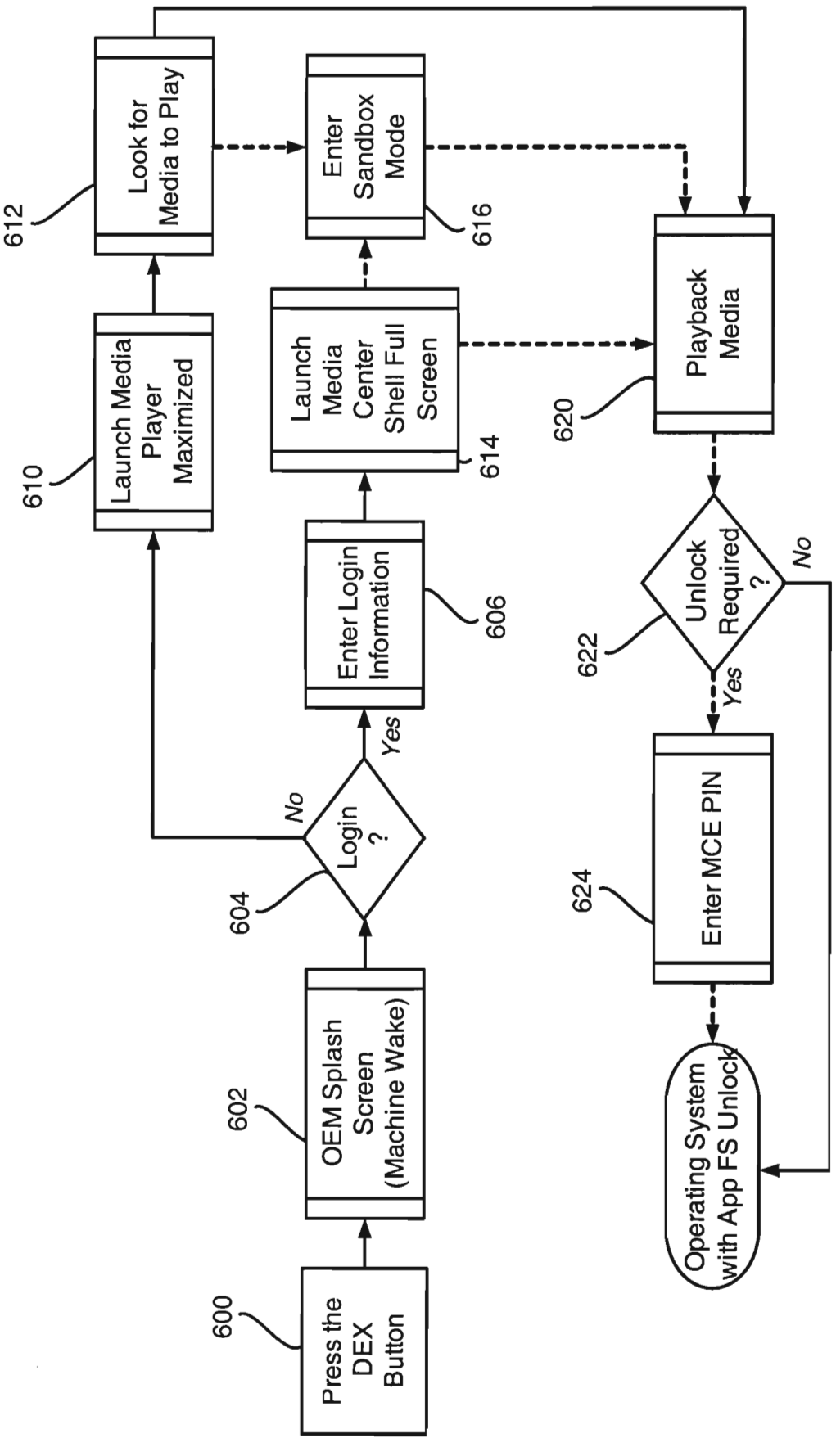

Press the DEX Button
600
OEM Splash Screen (Machine Wake)
602
Login ?
604
No
Yes
Enter Login Information
606
Launch Media Center Shell Full Screen
614
Enter Sandbox Mode
616
Launch Media Player Maximized
610
Look for Media to Play
612
Playback Media
620
Unlock Required ?
622
No
Yes
Enter MCE PIN
624
Operating System with App FS Unlock

FIG. 6