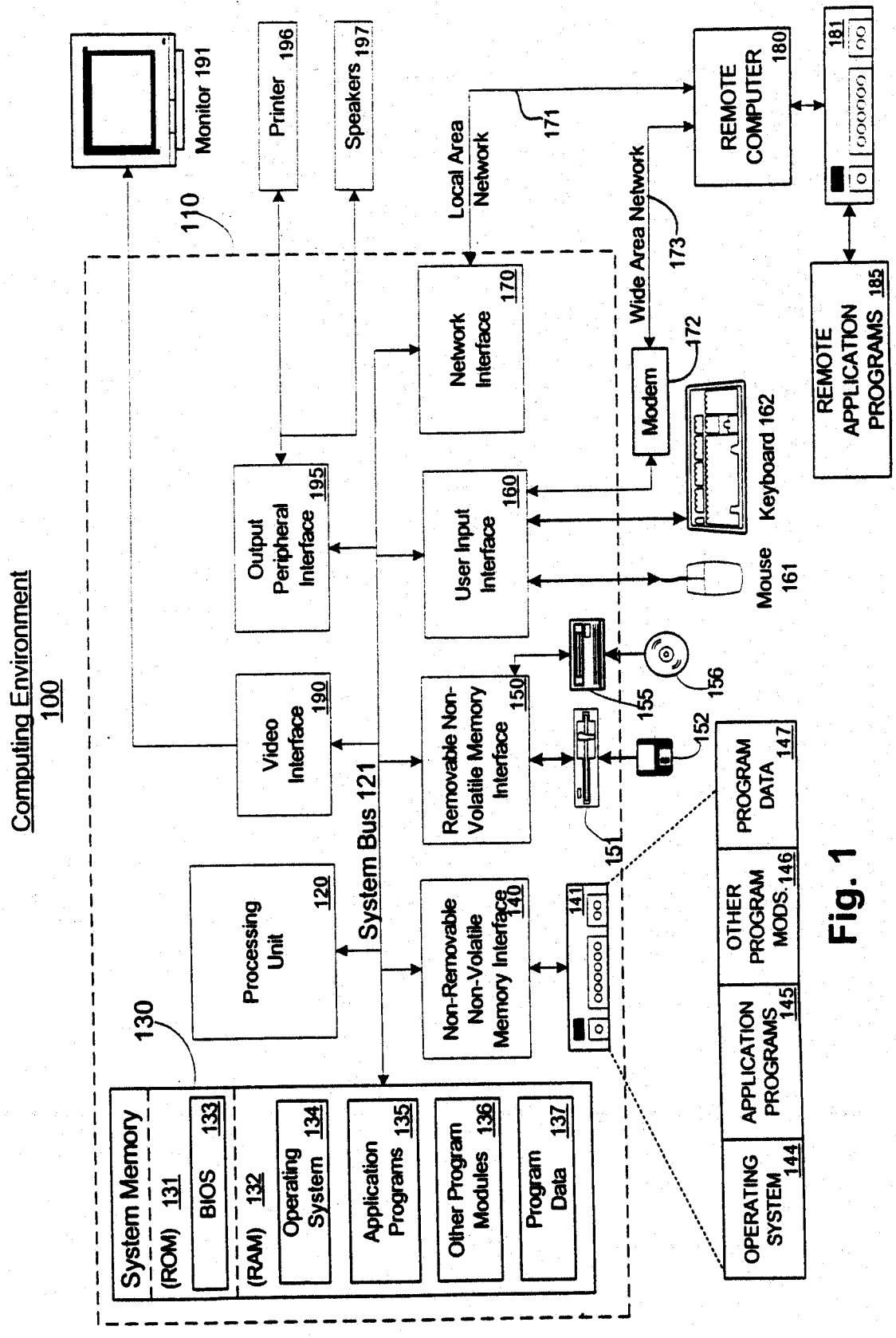

Computing Environment
100
110
Monitor 191
Printer 196
Speakers 197
Local Area Network
171
Wide Area Network
173
REMOTE COMPUTER
180
181
Network Interface
170
Modem
172
Keyboard 162
Mouse
161
REMOTE APPLICATION PROGRAMS
185
Output Peripheral Interface
195
User Input Interface
160
Video Interface
190
System Bus 121
Removable Non-Volatile Memory Interface
150
Non-Removable Non-Volatile Memory Interface
140
Processing Unit
120
130
System Memory
(ROM) 131
BIOS 133
(RAM) 132
Operating System 134
Application Programs 135
Other Program Modules 136
Program Data 137
151
152
155
156
141
OPERATING SYSTEM 144
APPLICATION PROGRAMS 145
OTHER PROGRAM MODS. 146
PROGRAM DATA 147

Fig. 1

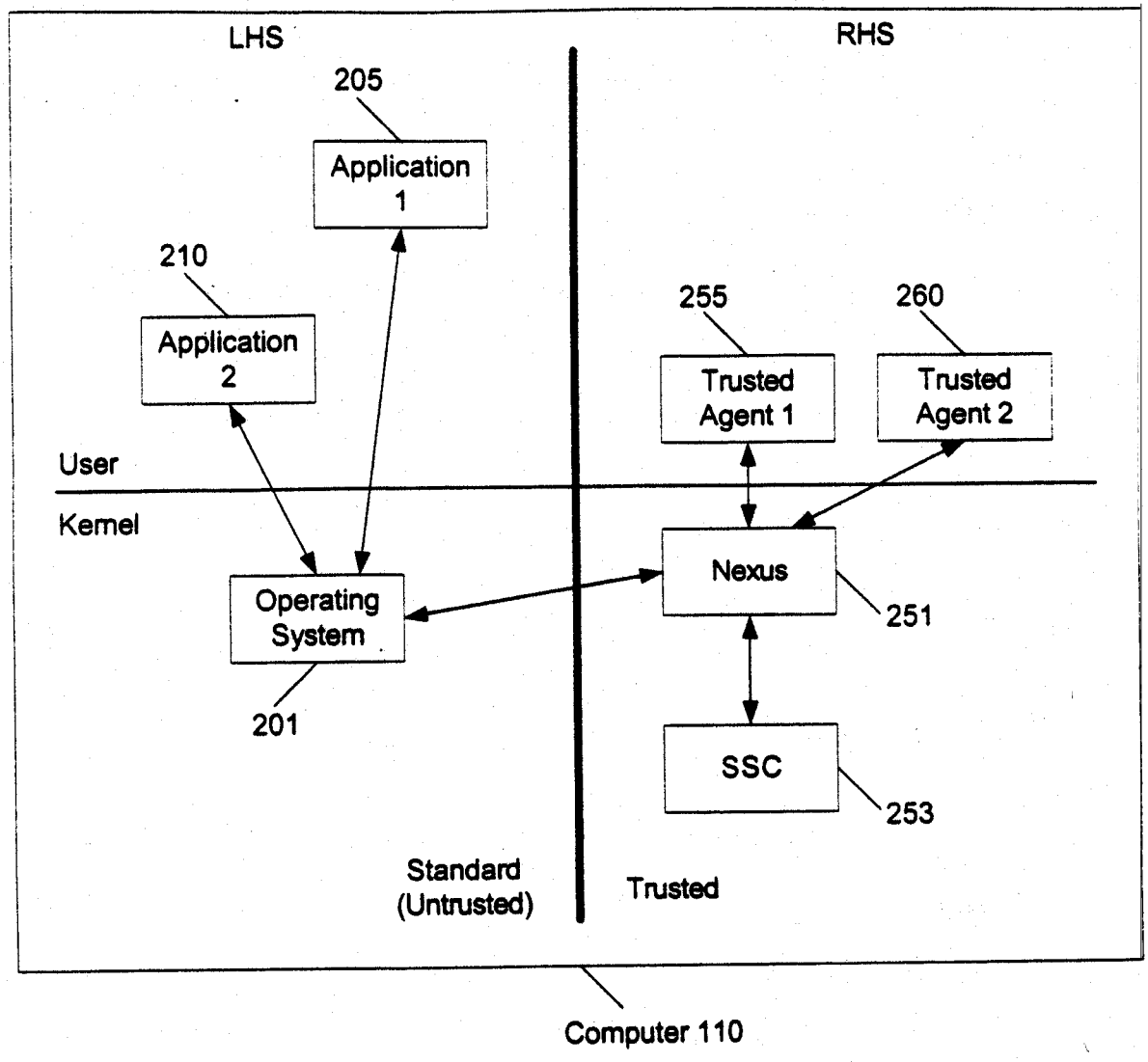



**Fig. 2**
**(Prior Art)**

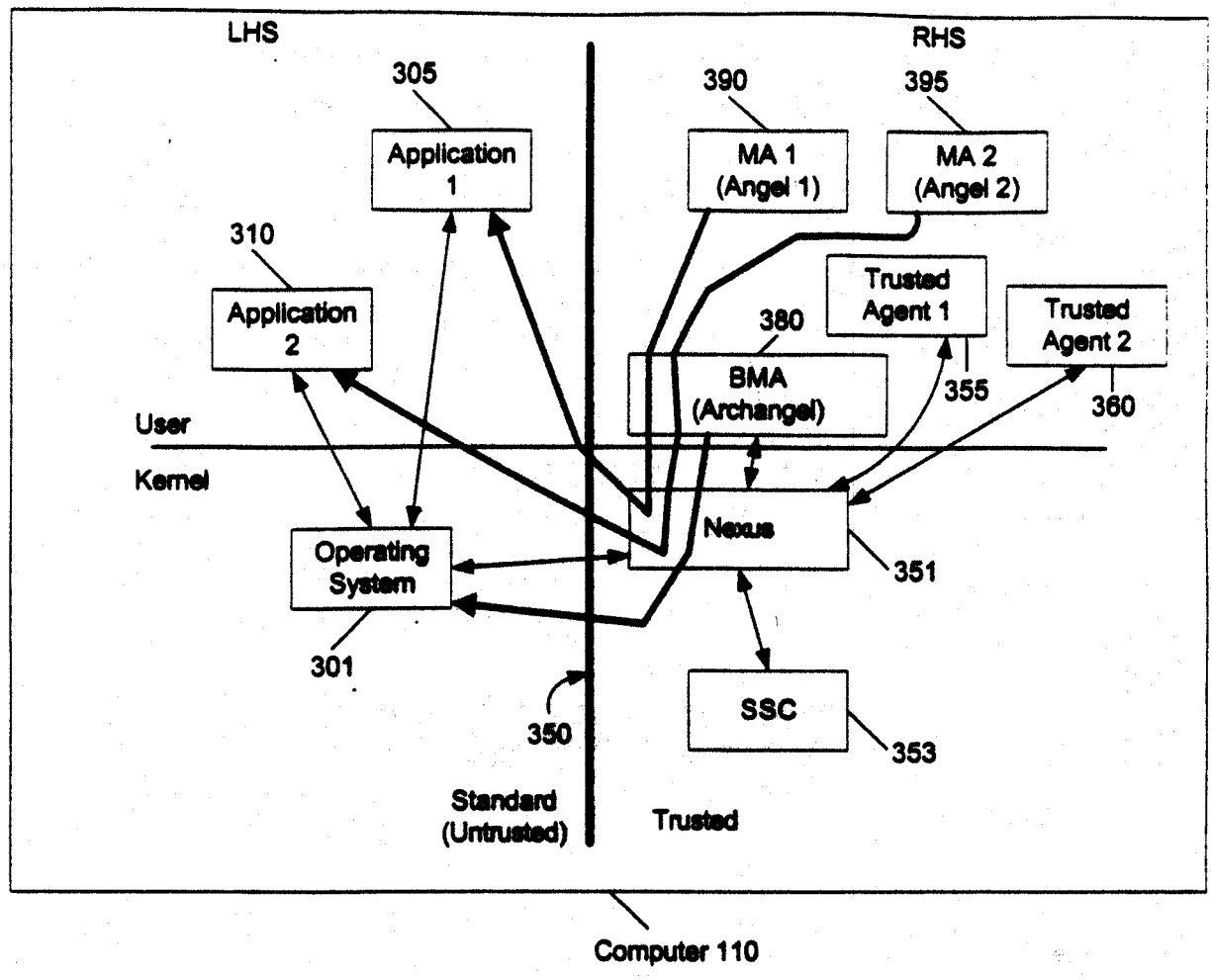

LHS
RHS
305
Application 1
390
MA 1 (Angel 1)
395
MA 2 (Angel 2)
310
Application 2
Trusted Agent 1
Trusted Agent 2
380
BMA (Archangel)
355
360
User
Kernel
Nexus
351
Operating System
301
350
SSC
353
Standard (Untrusted)
Trusted
Computer 110

Fig. 3

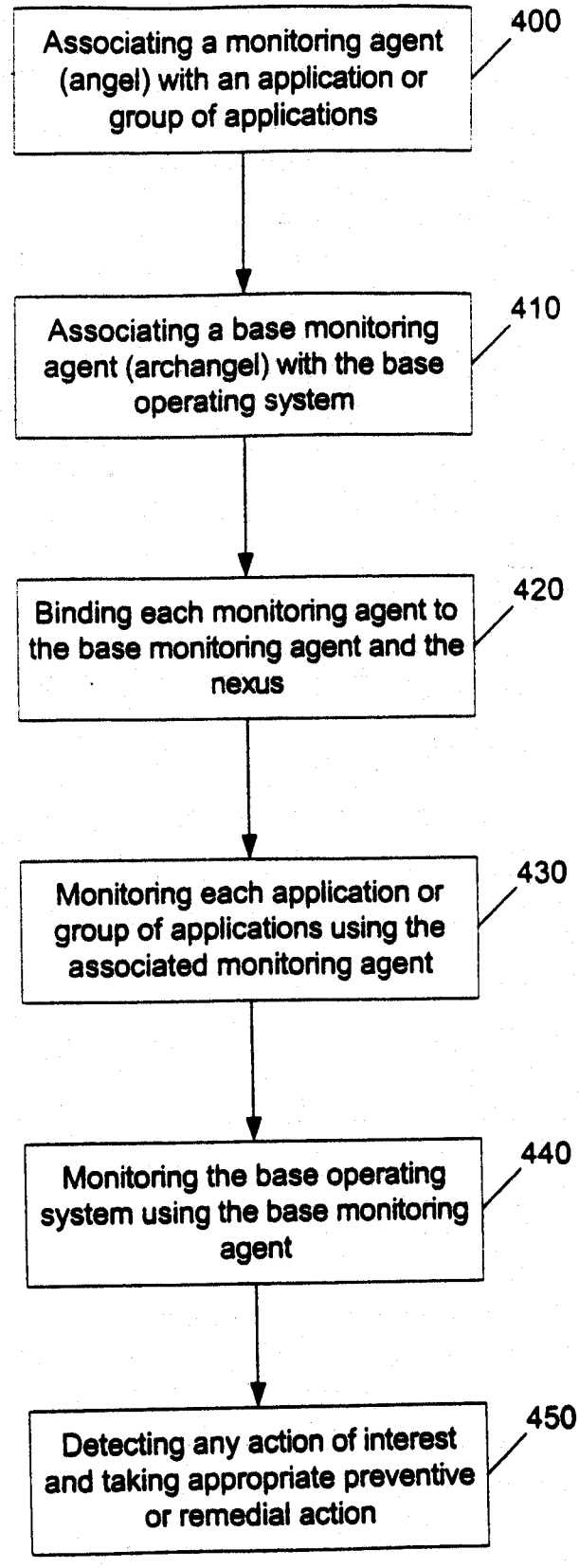

Associating a monitoring agent (angel) with an application or group of applications
400
Associating a base monitoring agent (archangel) with the base operating system
410
Binding each monitoring agent to the base monitoring agent and the nexus
420
Monitoring each application or group of applications using the associated monitoring agent
430
Monitoring the base operating system using the base monitoring agent
440
Detecting any action of interest and taking appropriate preventive or remedial action
450

**Fig. 4**