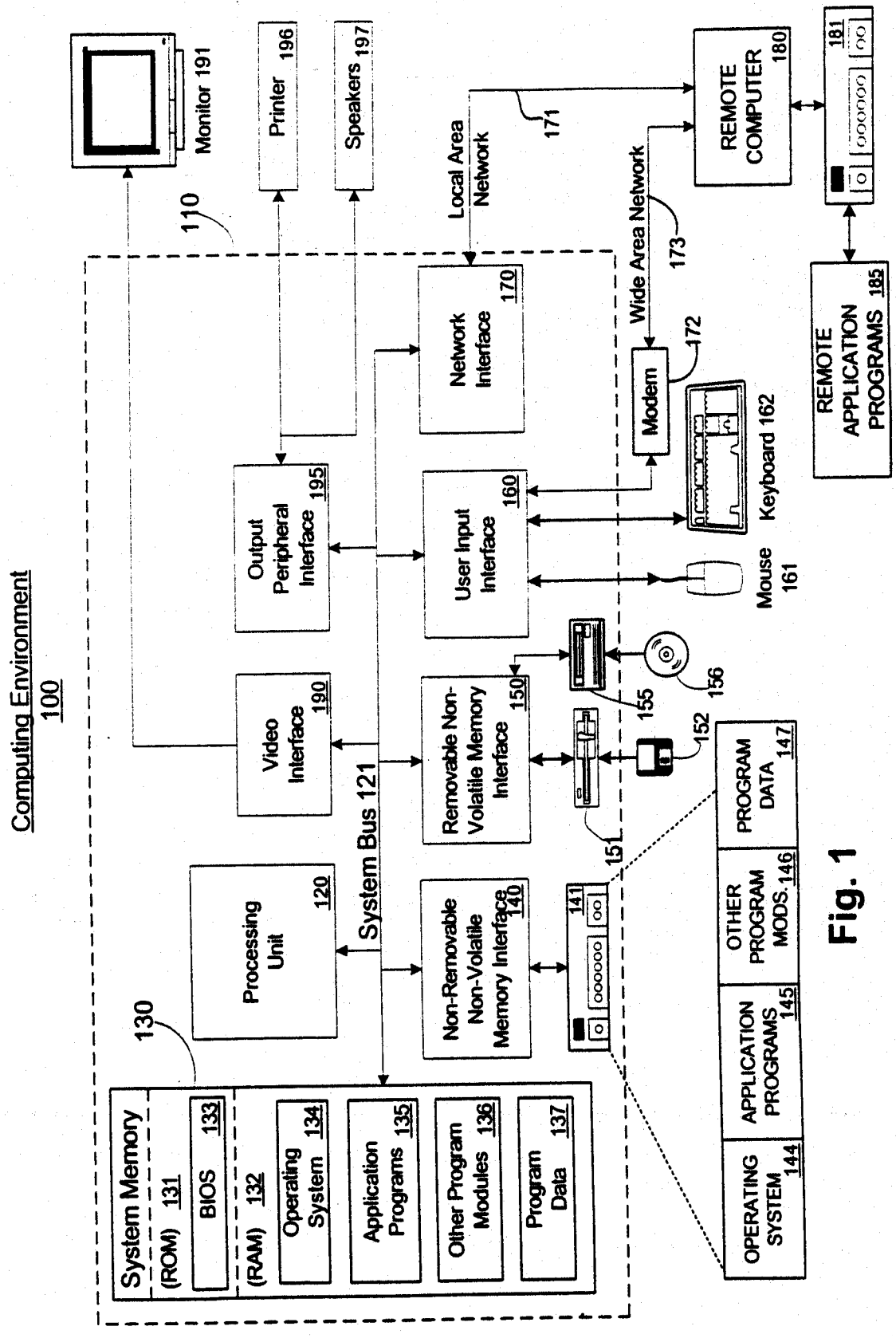

Computing Environment
100
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Printer 196
Speakers 197
Local Area Network
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Wide Area Network
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REMOTE COMPUTER
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Modem
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User Input Interface
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Video Interface
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Removable Non-Volatile Memory Interface
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Non-Removable Non-Volatile Memory Interface
140
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Other Program Modules 136
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Fig. 1

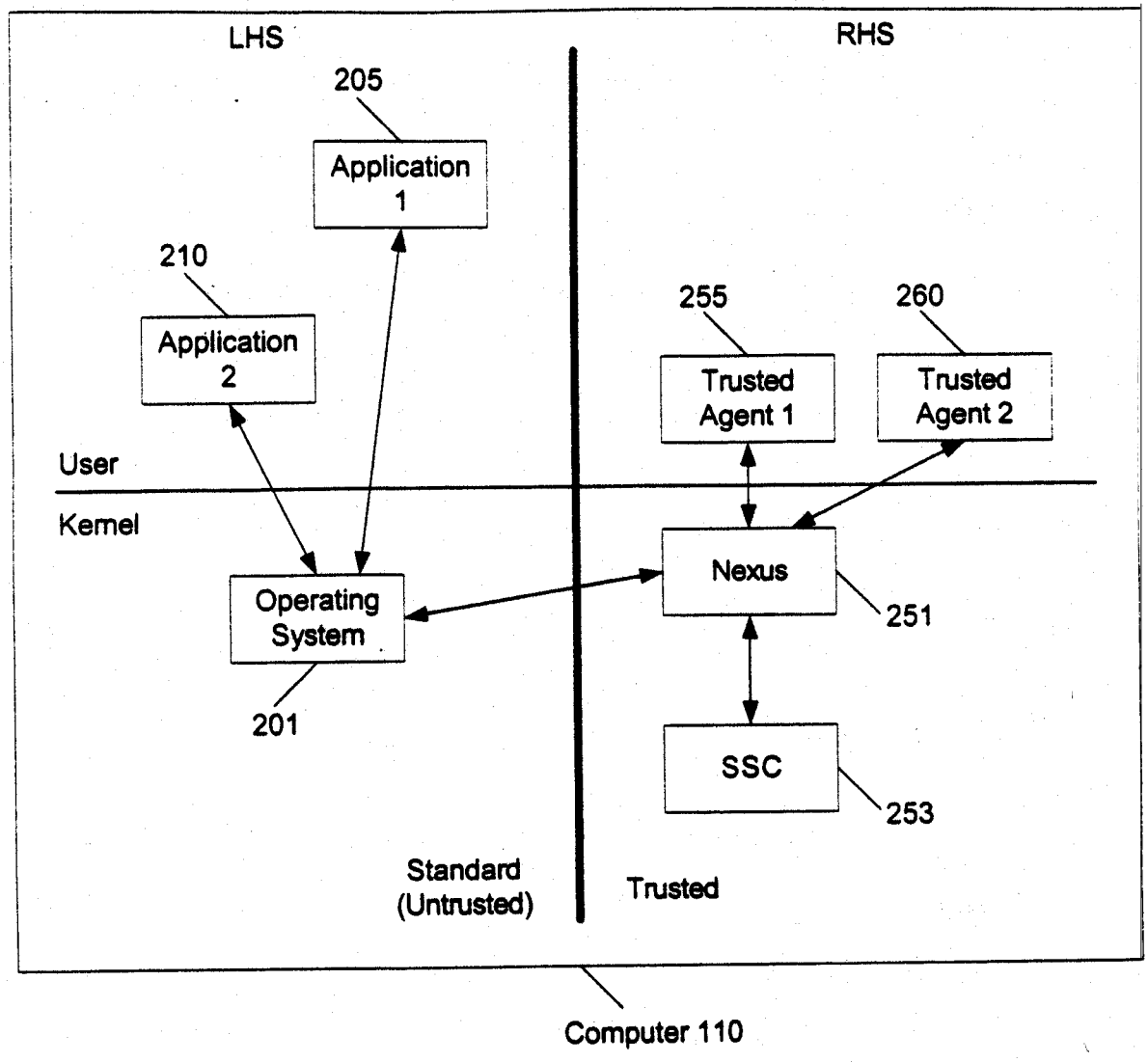


Fig. 2
(Prior Art)

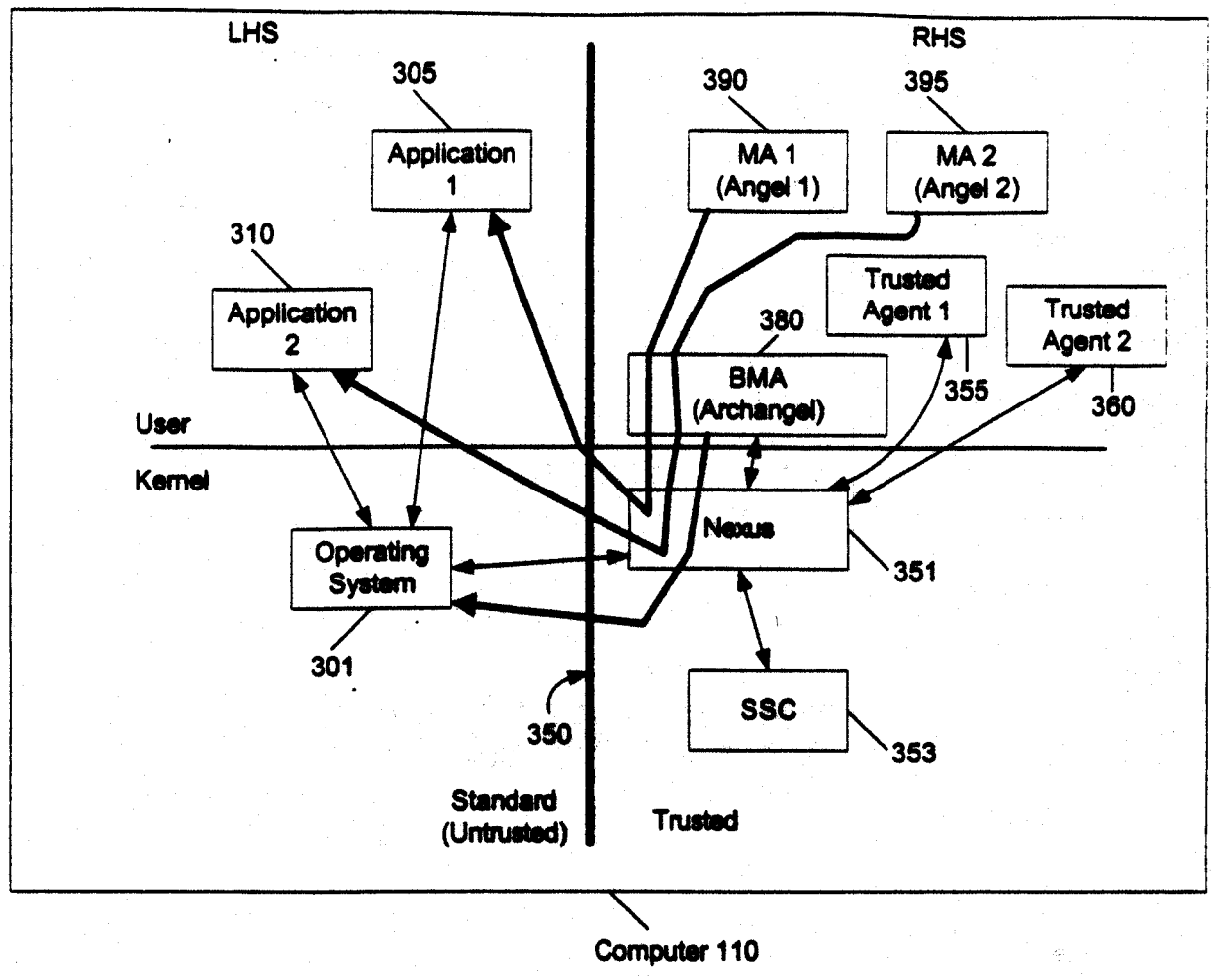

LHS
RHS
305
Application 1
390
MA 1 (Angel 1)
395
MA 2 (Angel 2)
310
Application 2
Trusted Agent 1
Trusted Agent 2
380
BMA (Archangel)
355
360
User
Kernel
Nexus
351
Operating System
301
350
SSC
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Standard (Untrusted)
Trusted
Computer 110

Fig. 3

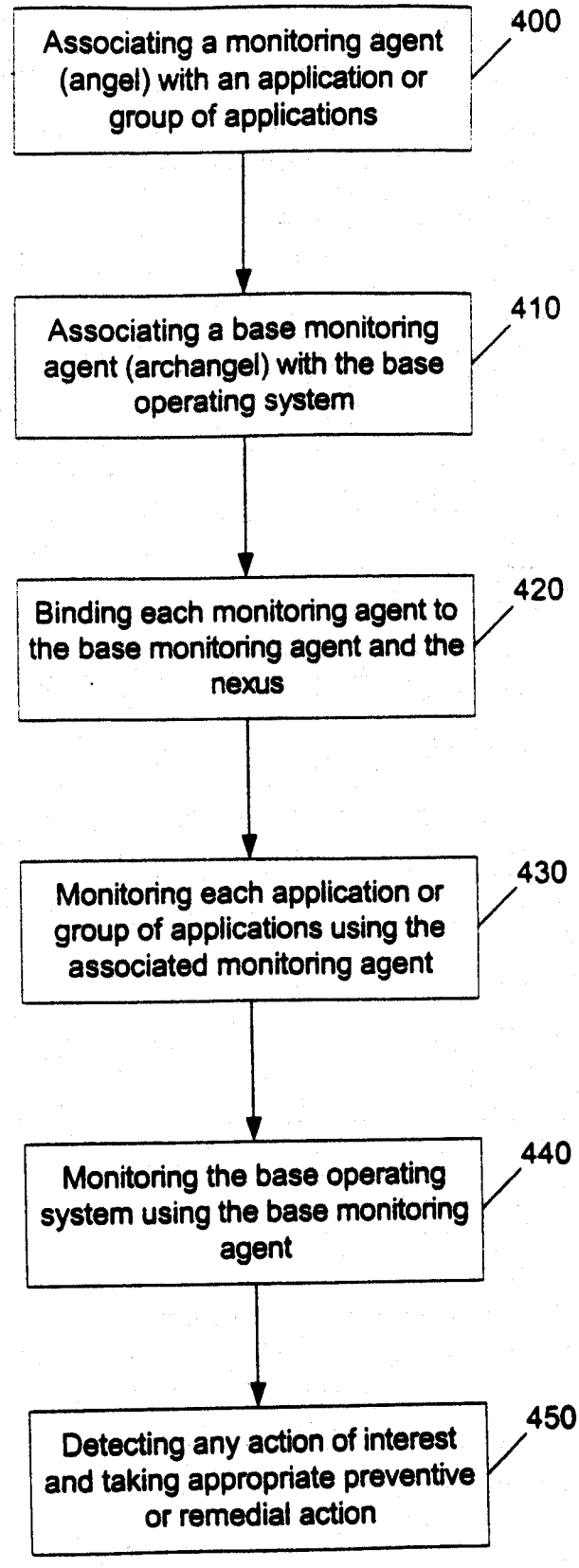

Associating a monitoring agent (angel) with an application or group of applications
400
Associating a base monitoring agent (archangel) with the base operating system
410
Binding each monitoring agent to the base monitoring agent and the nexus
420
Monitoring each application or group of applications 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