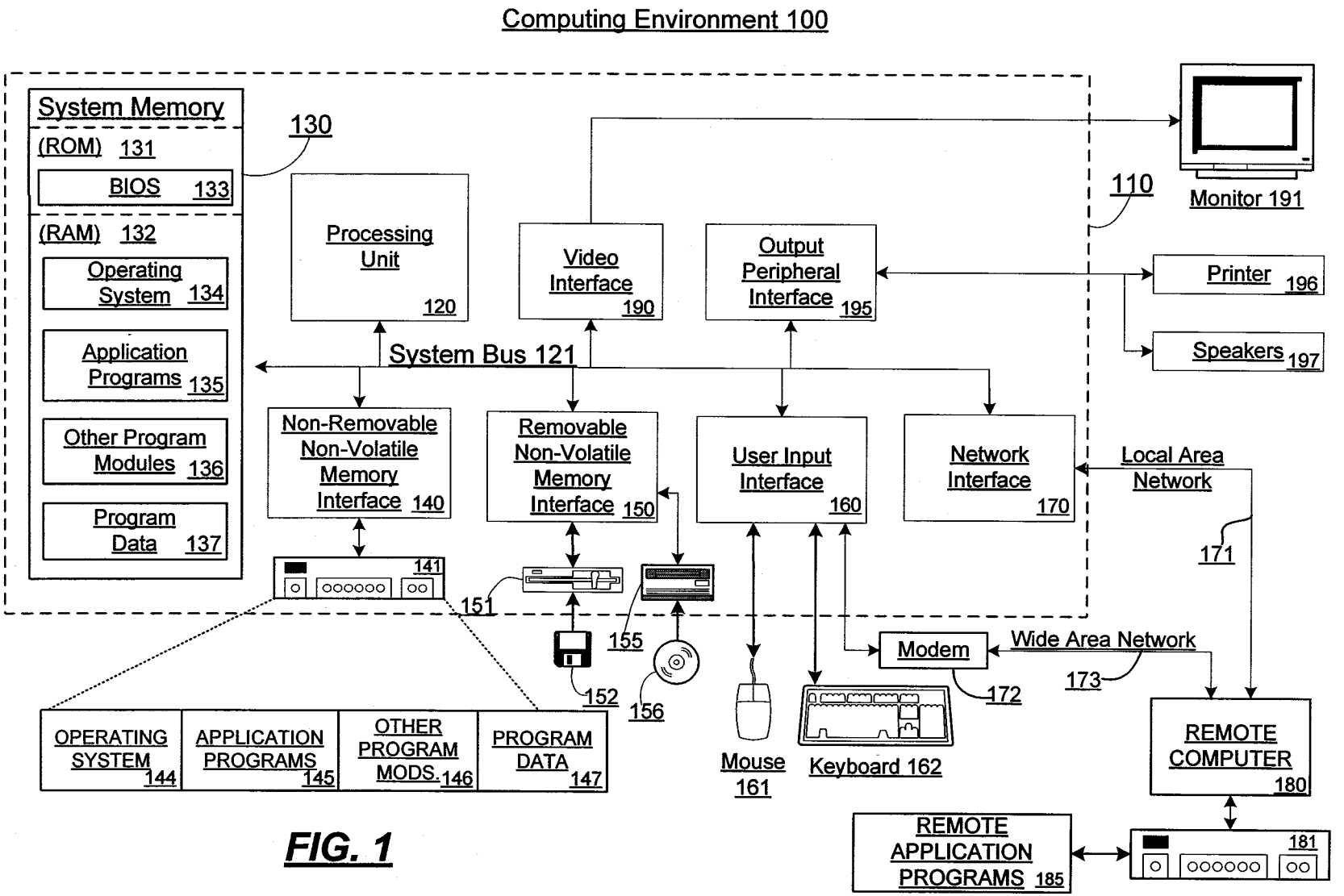

Computing Environment 100
System Memory
130
(ROM) 131
BIOS 133
(RAM) 132
Operating System 134
Application Programs 135
Other Program Modules 136
Program Data 137
Processing Unit 120
Video Interface 190
Output Peripheral Interface 195
110
Monitor 191
Printer 196
Speakers 197
System Bus 121
Non-Removable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

FIG. 1

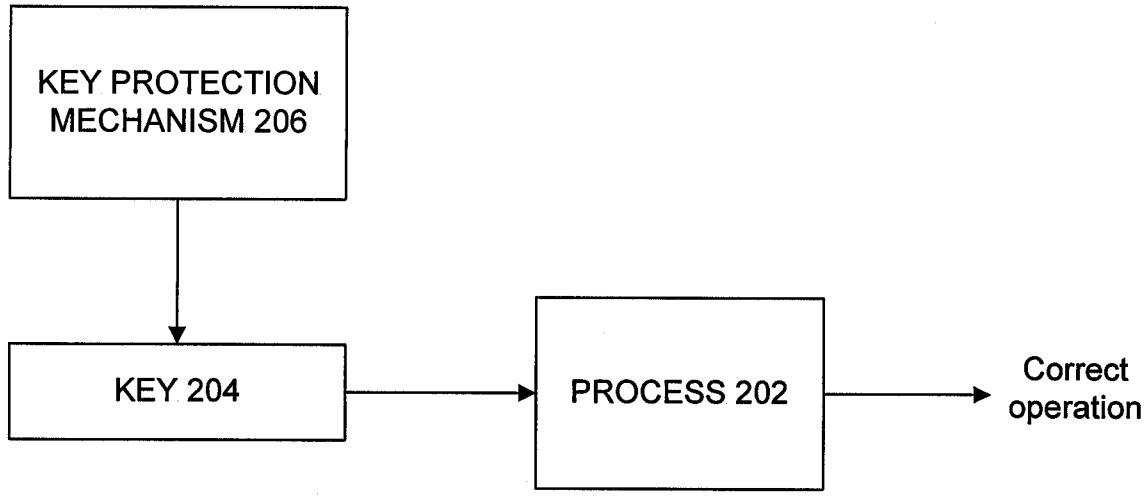

KEY PROTECTION MECHANISM 206
KEY 204
PROCESS 202
Correct operation

FIG. 2

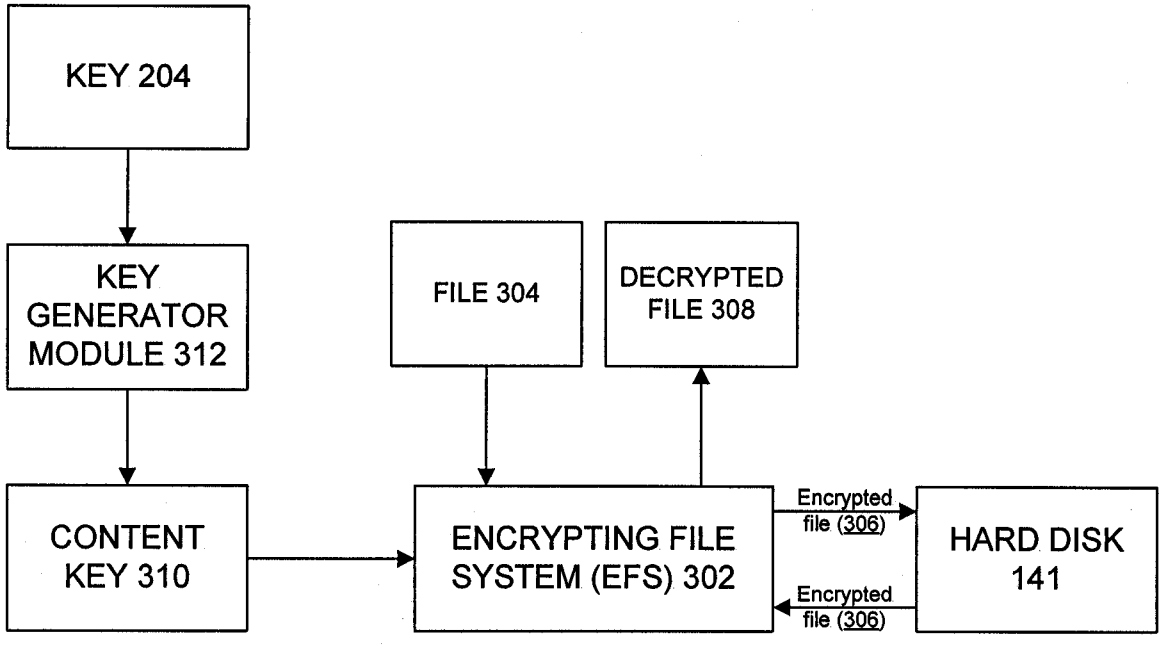

KEY 204
KEY GENERATOR MODULE 312
FILE 304
DECRYPTED FILE 308
CONTENT KEY 310
ENCRYPTING FILE SYSTEM (EFS) 302
Encrypted file (306)
Encrypted file (306)
HARD DISK 141

FIG. 3

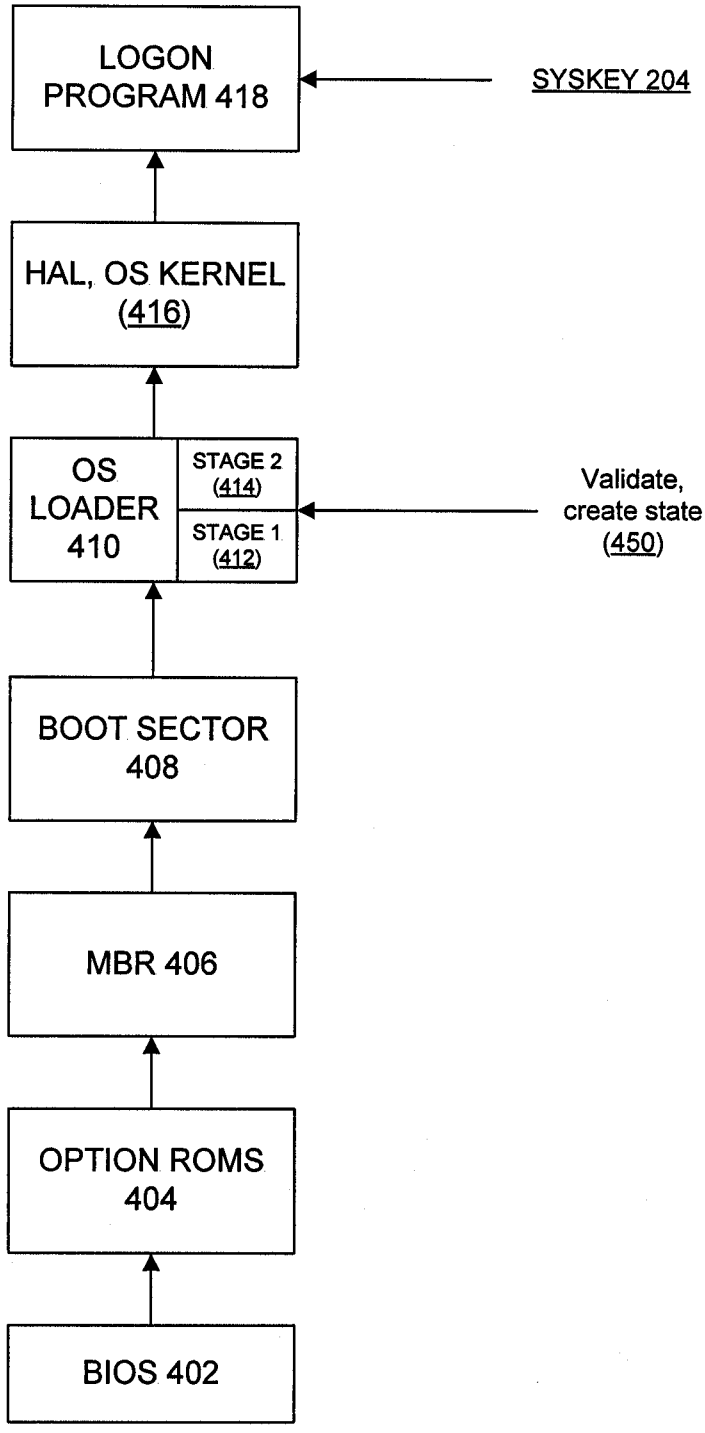

LOGON PROGRAM 418
SYSKEY 204
HAL, OS KERNEL (416)
OS LOADER 410
STAGE 2 (414)
STAGE 1 (412)
Validate, create state (450)
BOOT SECTOR 408
MBR 406
OPTION ROMS 404
BIOS 402

FIG. 4

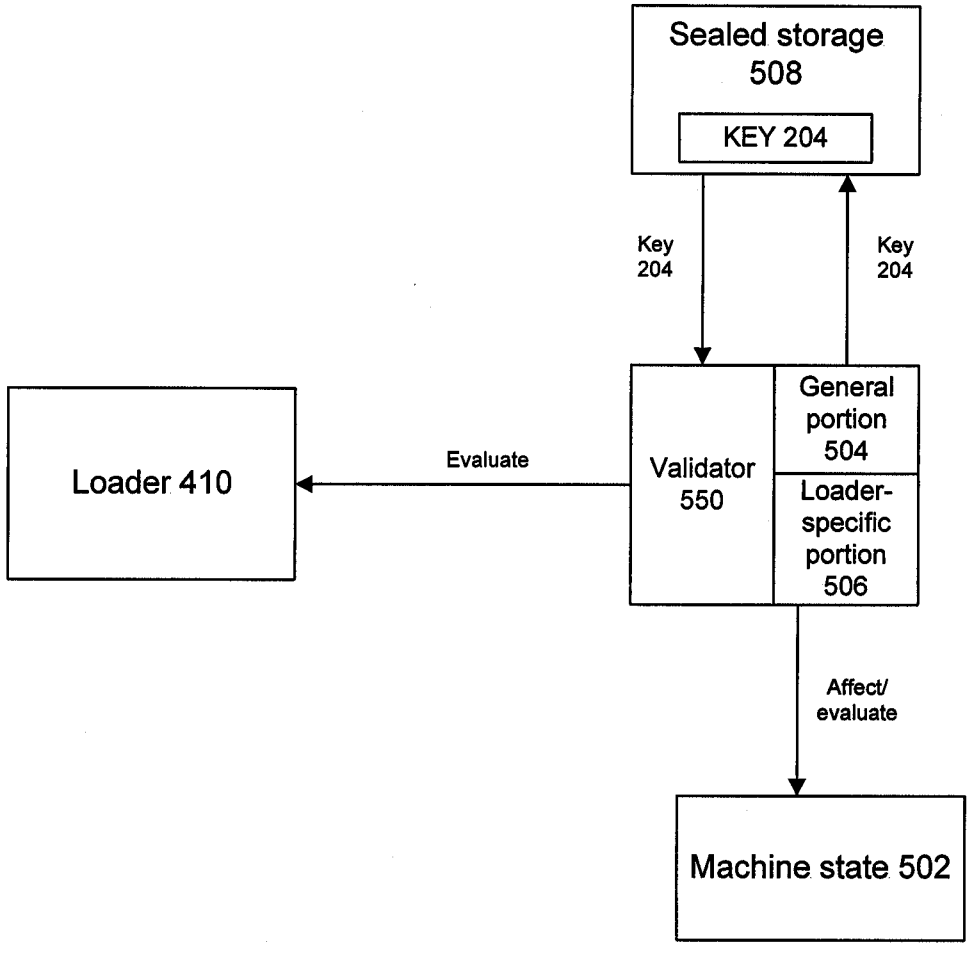

Sealed storage
508
KEY 204
Key
204
Key
204
Loader 410
Evaluate
Validator
550
General
portion
504
Loader-
specific
portion
506
Affect/
evaluate
Machine state 502

FIG. 5

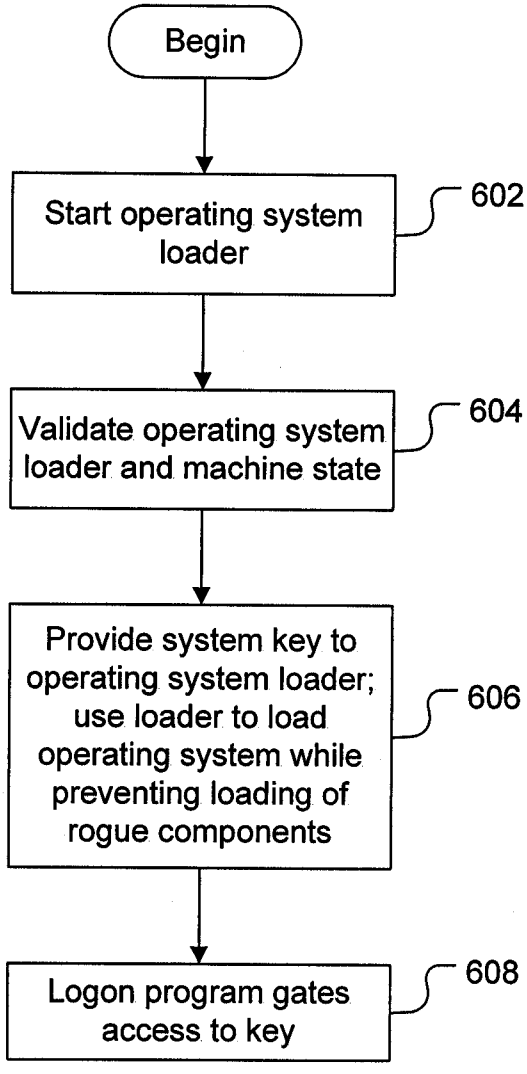

Begin
Start operating system loader
602
Validate operating system loader and machine state
604
Provide system key to operating system loader; use loader to load operating system while preventing loading of rogue components
606
Logon program gates access to key
608

FIG. 6