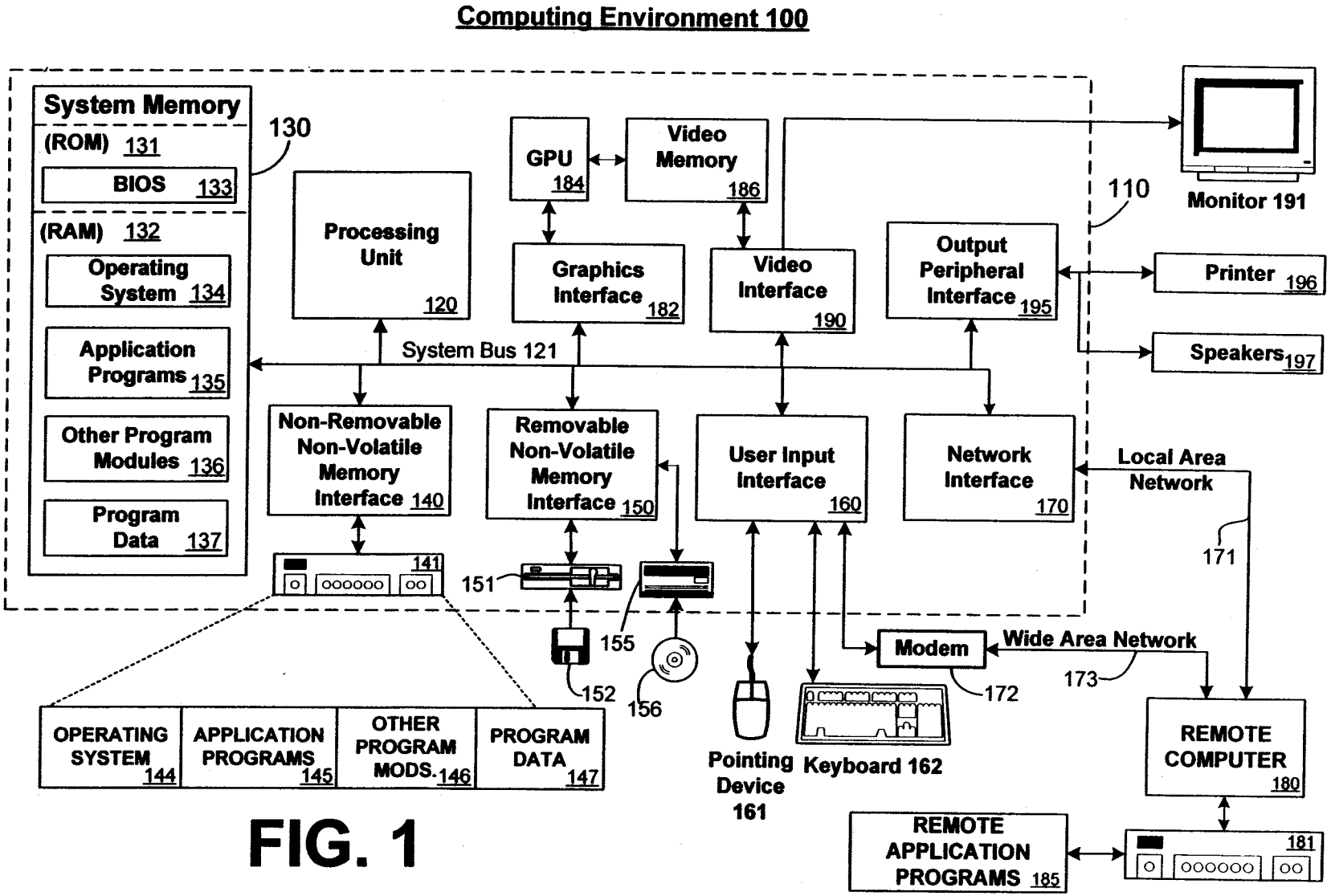

Computing Environment 100
System Memory
(ROM) 131
BIOS 133
(RAM) 132
Operating System 134
Application Programs 135
Other Program Modules 136
Program Data 137
130
Processing Unit 120
GPU 184
Video Memory 186
Graphics Interface 182
Video Interface 190
Output Peripheral Interface 195
Monitor 191
110
Printer 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
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Modem
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173
OPERATING SYSTEM 144
APPLICATION PROGRAMS 145
OTHER PROGRAM MODS. 146
PROGRAM DATA 147
Pointing Device 161
Keyboard 162
REMOTE COMPUTER 180
REMOTE APPLICATION PROGRAMS 185
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FIG. 1

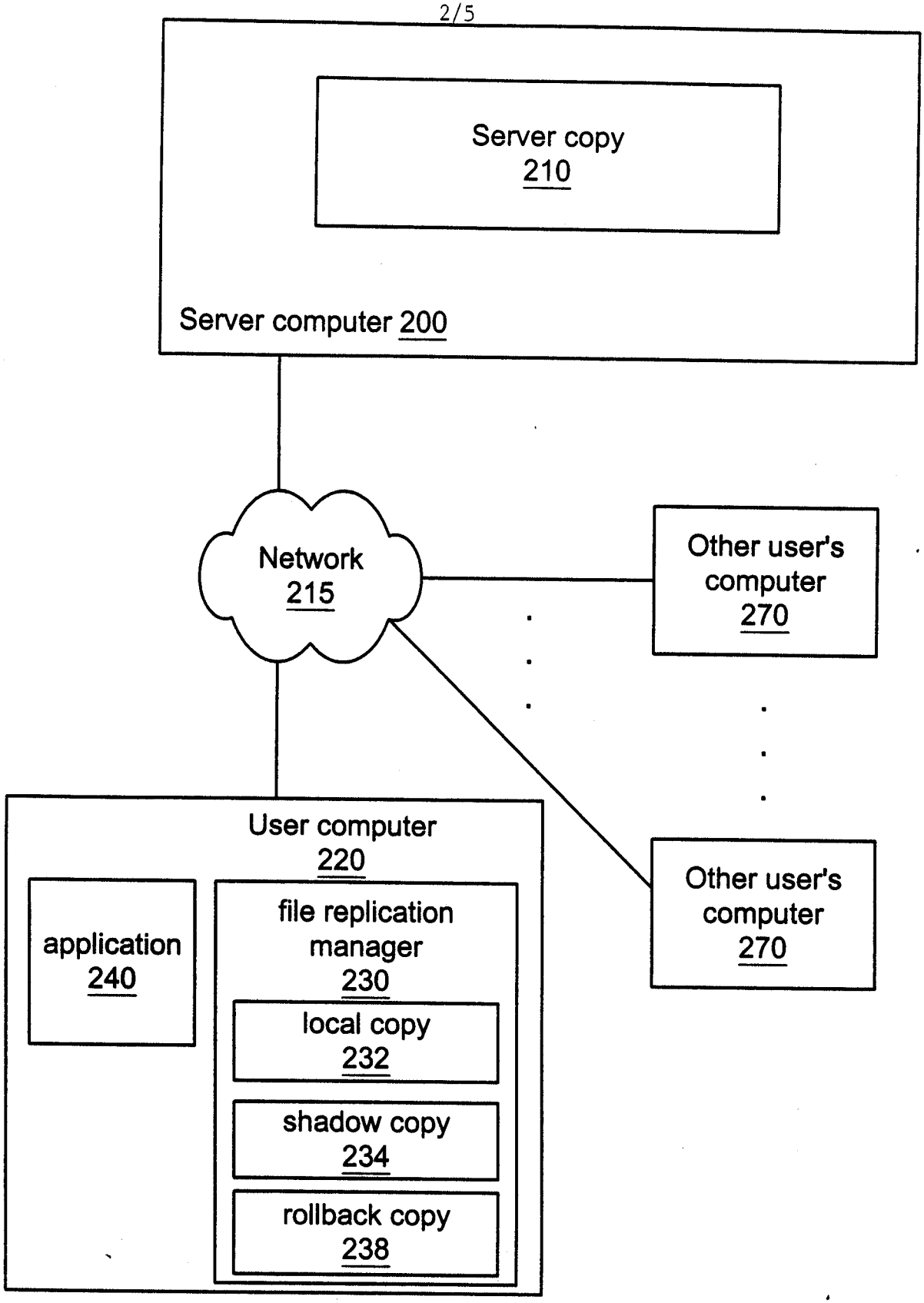

Server copy
210
Server computer 200
Network
215
Other user's
computer
270
Other user's
computer
270
User computer
220
application
240
file replication
manager
230
local copy
232
shadow copy
234
rollback copy
238

Fig. 2

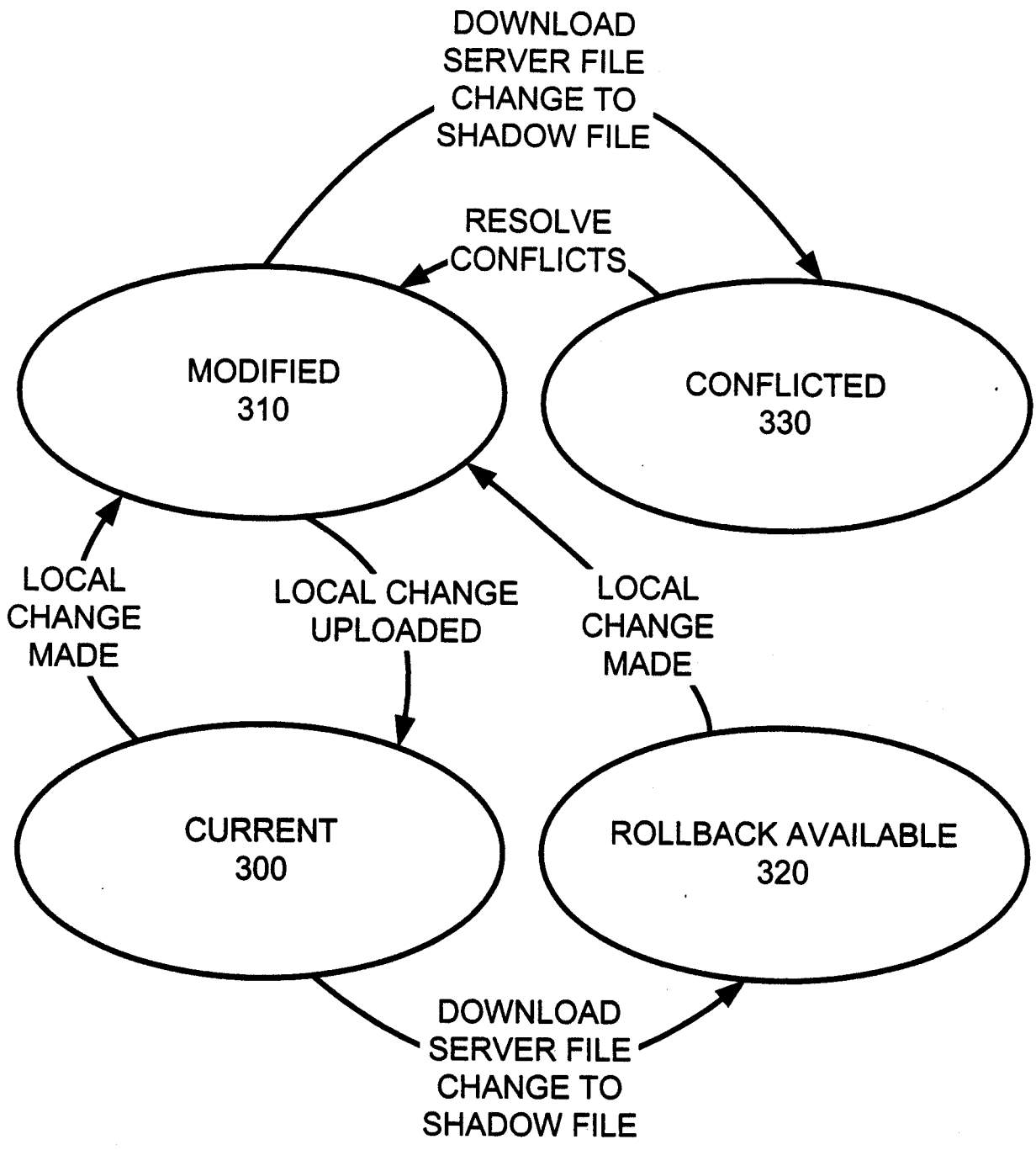

DOWNLOAD SERVER FILE CHANGE TO SHADOW FILE
RESOLVE CONFLICTS
MODIFIED 310
CONFLICTED 330
LOCAL CHANGE MADE
LOCAL CHANGE UPLOADED
LOCAL CHANGE MADE
CURRENT 300
ROLLBACK AVAILABLE 320
DOWNLOAD SERVER FILE CHANGE TO SHADOW FILE

FIG. 3

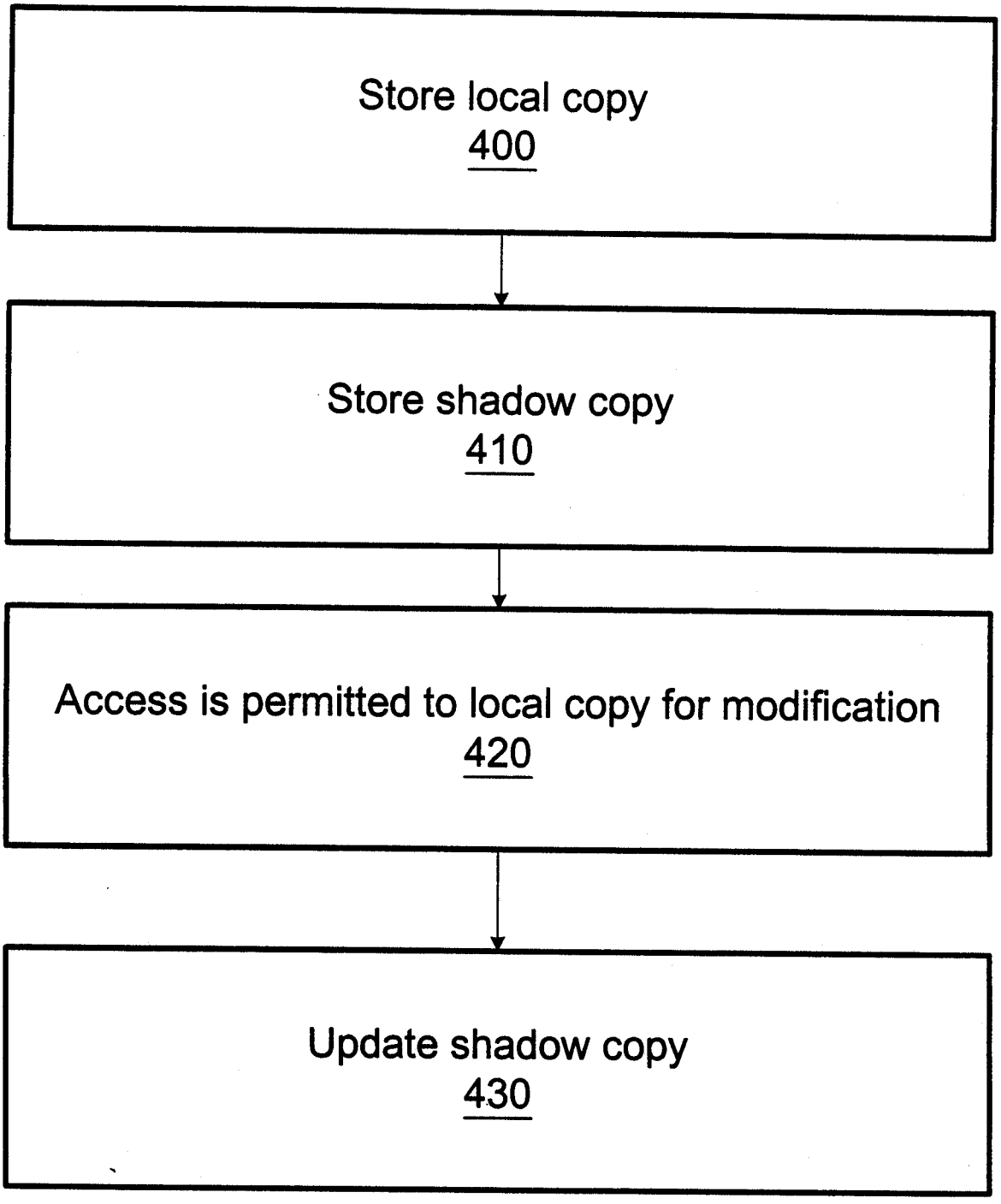

Store local copy
400
Store shadow copy
410
Access is permitted to local copy for modification
420
Update shadow copy
430

FIG. 4

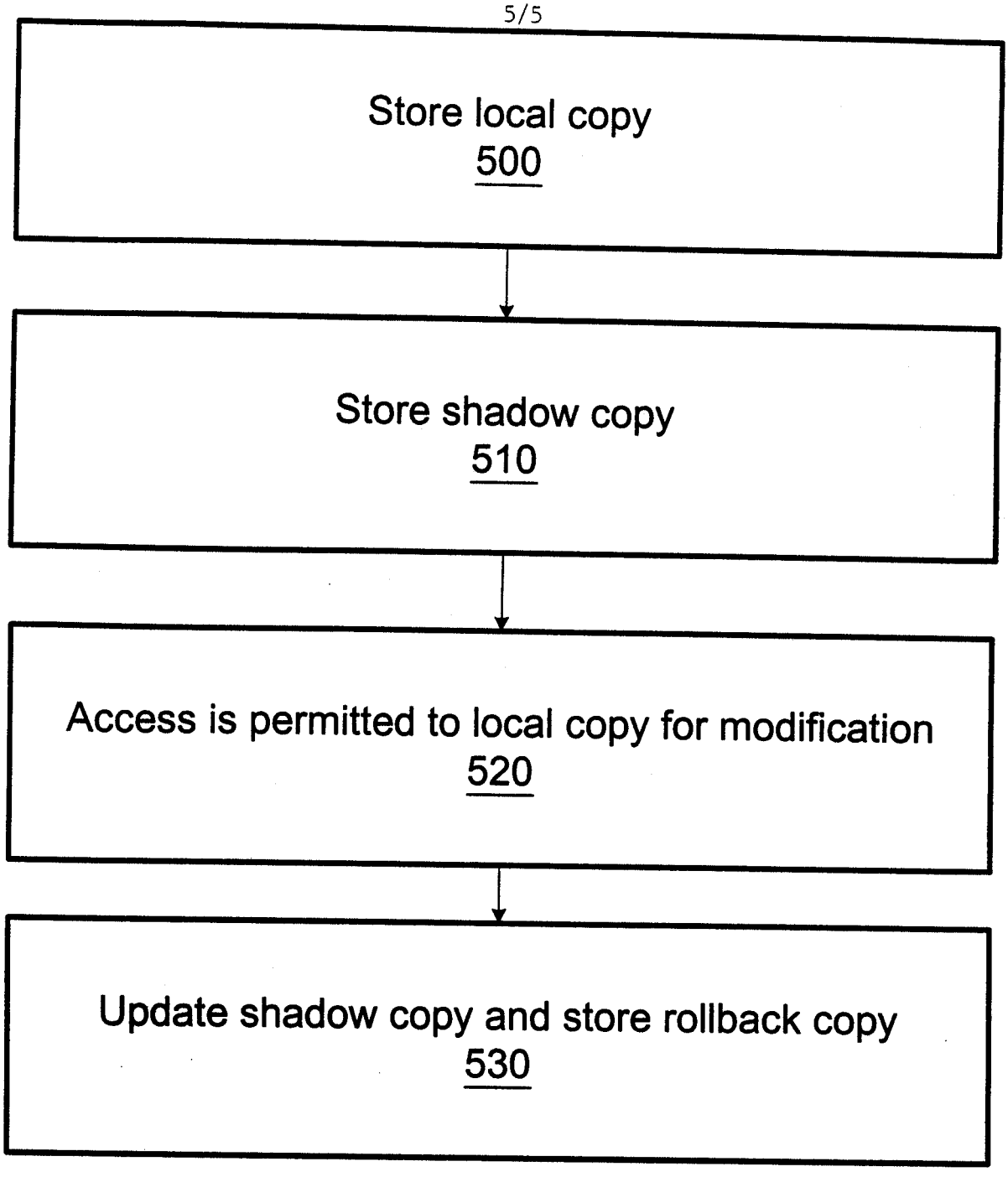

Store local copy
500
Store shadow copy
510
Access is permitted to local copy for modification
520
Update shadow copy and store rollback copy
530

FIG. 5