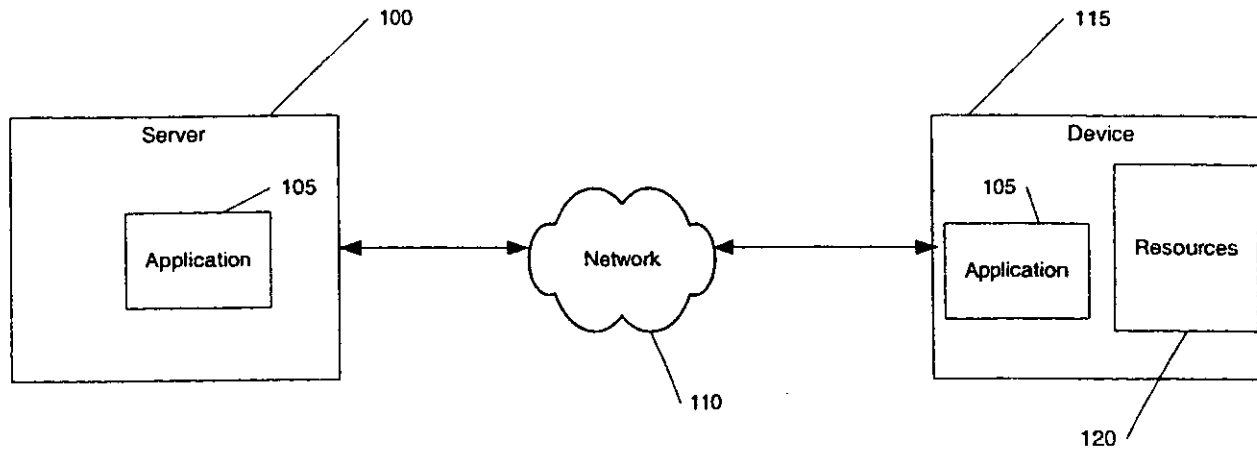
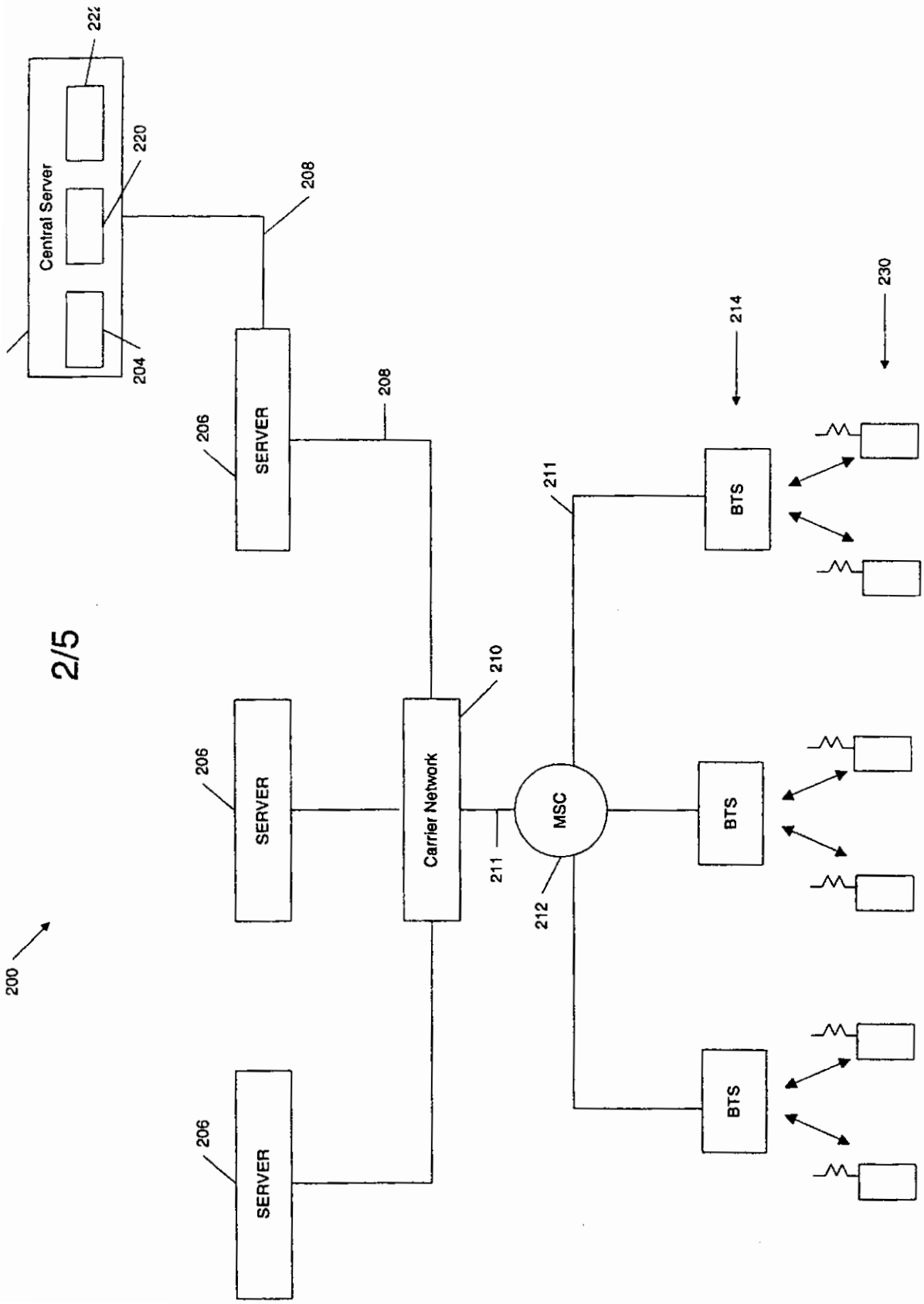

100
Server
105
Application
Network
110
115
Device
105
Application
Resources
120

Fig. 1


Central Server
220
208
204
SERVER
206
208
SERVER
206
210
Carrier Network
211
MSC
212
211
BTS
214
230
BTS
BTS
SERVER
206
200

2/5

Fig. 2

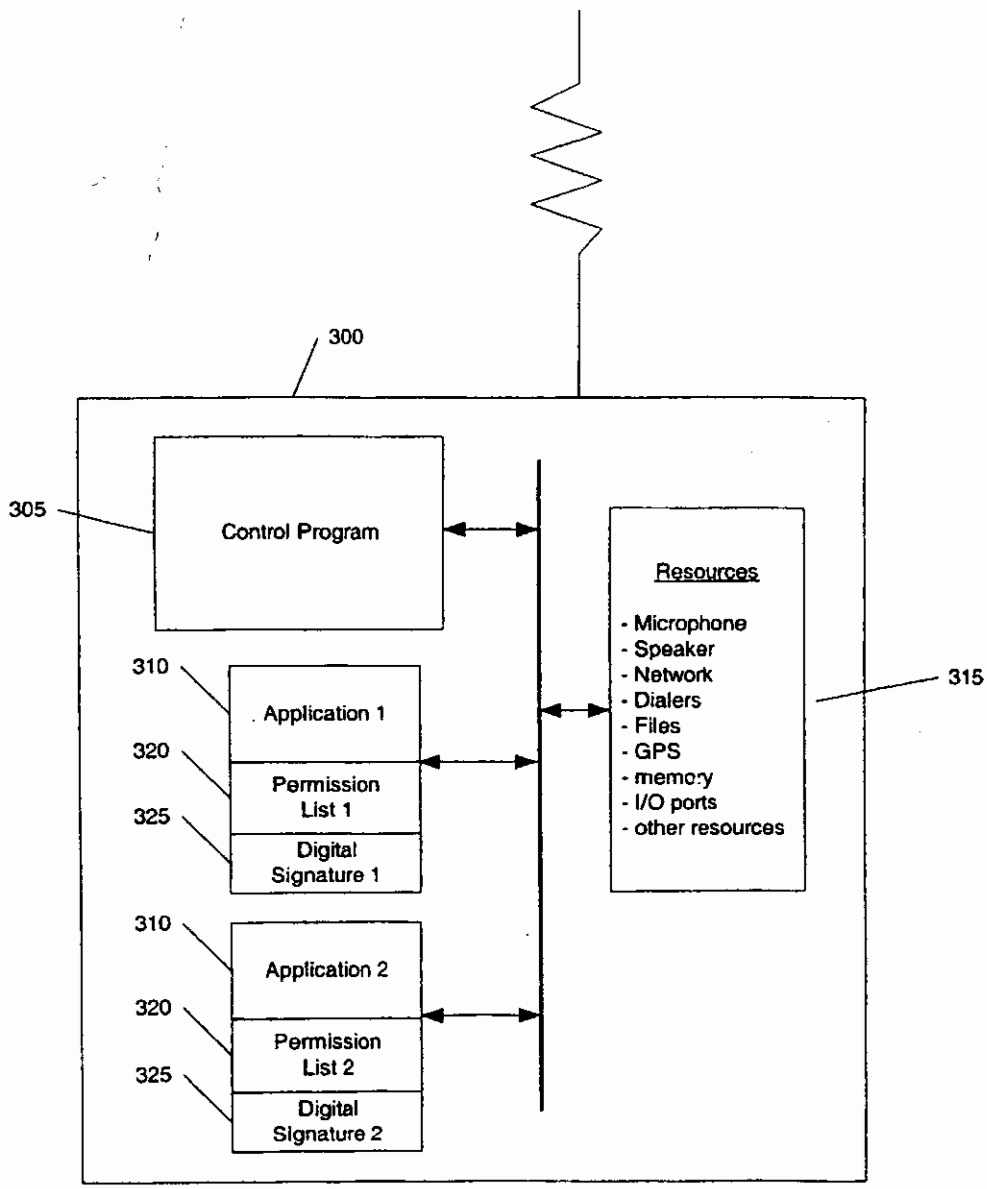

300
305
Control Program
Resources
- Microphone
- Speaker
- Network
- Dialers
- Files
- GPS
- memory
- I/O ports
- other resources
315
310
Application 1
320
Permission List 1
325
Digital Signature 1
310
Application 2
320
Permission List 2
325
Digital Signature 2

Fig. 3

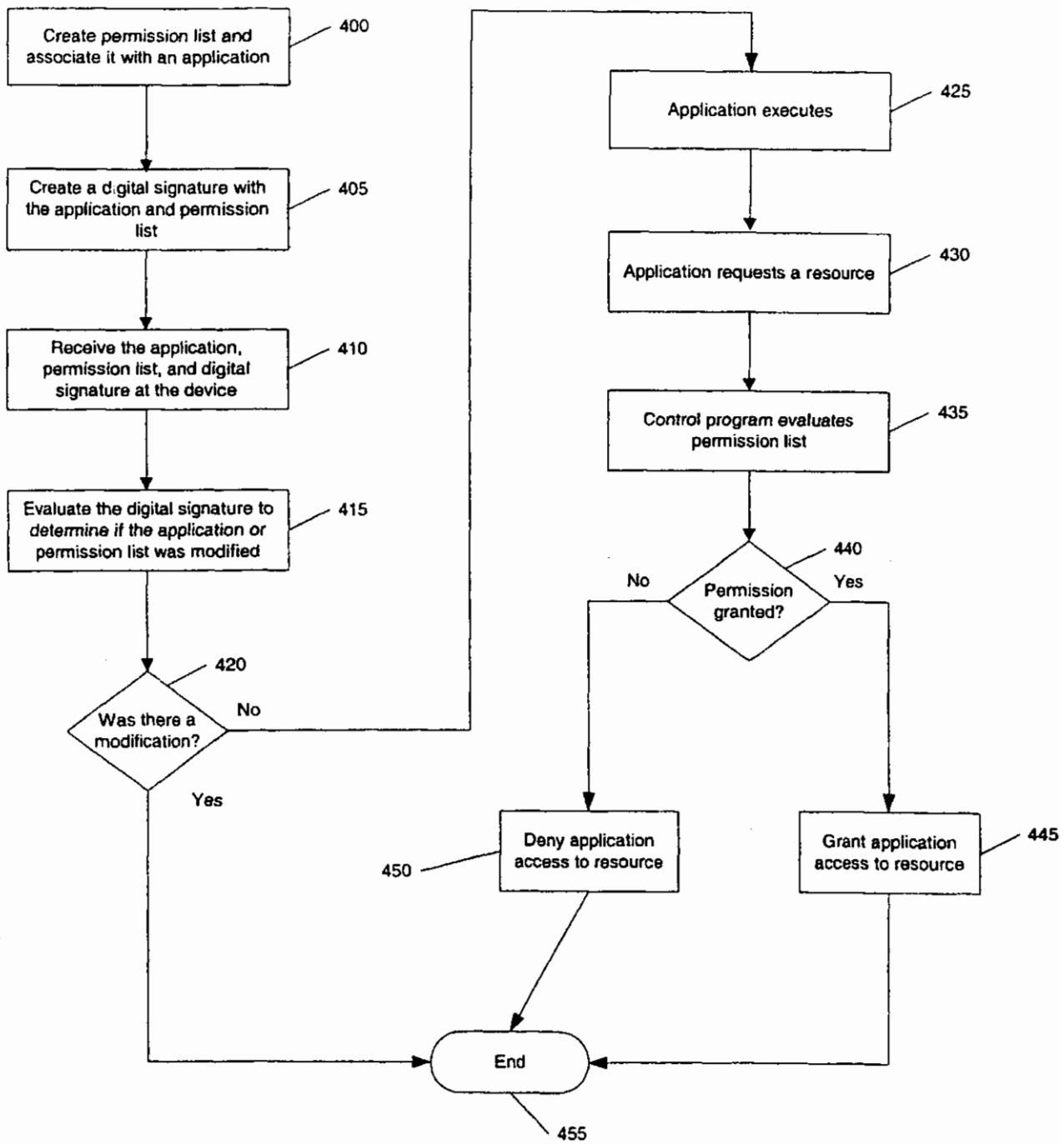

Create permission list and associate it with an application
400
Create a digital signature with the application and permission list
405
Receive the application, permission list, and digital signature at the device
410
Evaluate the digital signature to determine if the application or permission list was modified
415
Was there a modification?
420
No
Yes
Application executes
425
Application requests a resource
430
Control program evaluates permission list
435
Permission granted?
440
No
Yes
Deny application access to resource
450
Grant application access to resource
445
End
455

Fig. 4

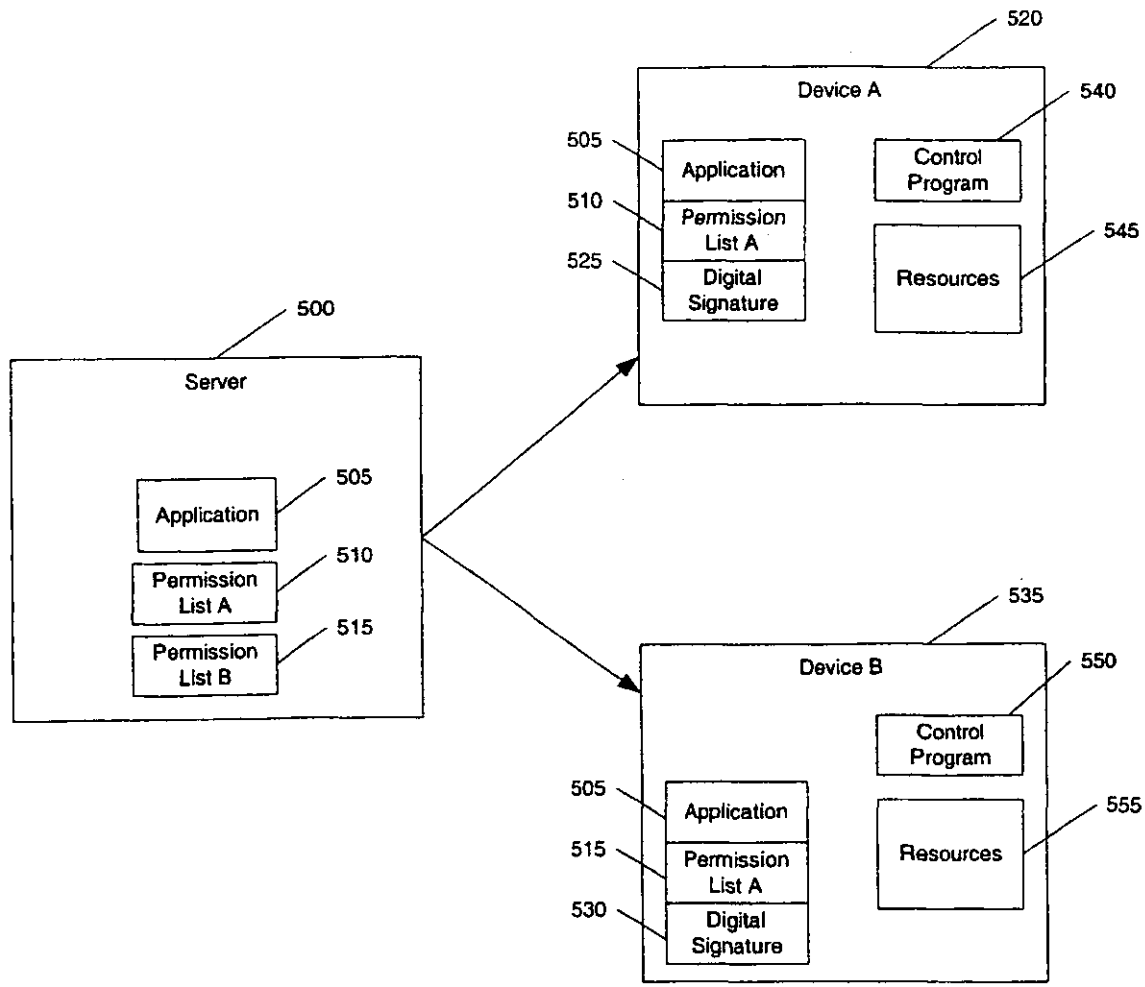

520
Device A
540
505
Application
Control Program
510
Permission List A
545
525
Digital Signature
Resources
500
Server
505
Application
510
Permission List A
515
Permission List B
535
Device B
550
Control Program
505
Application
515
Permission List A
555
Resources
530
Digital Signature

Fig. 5