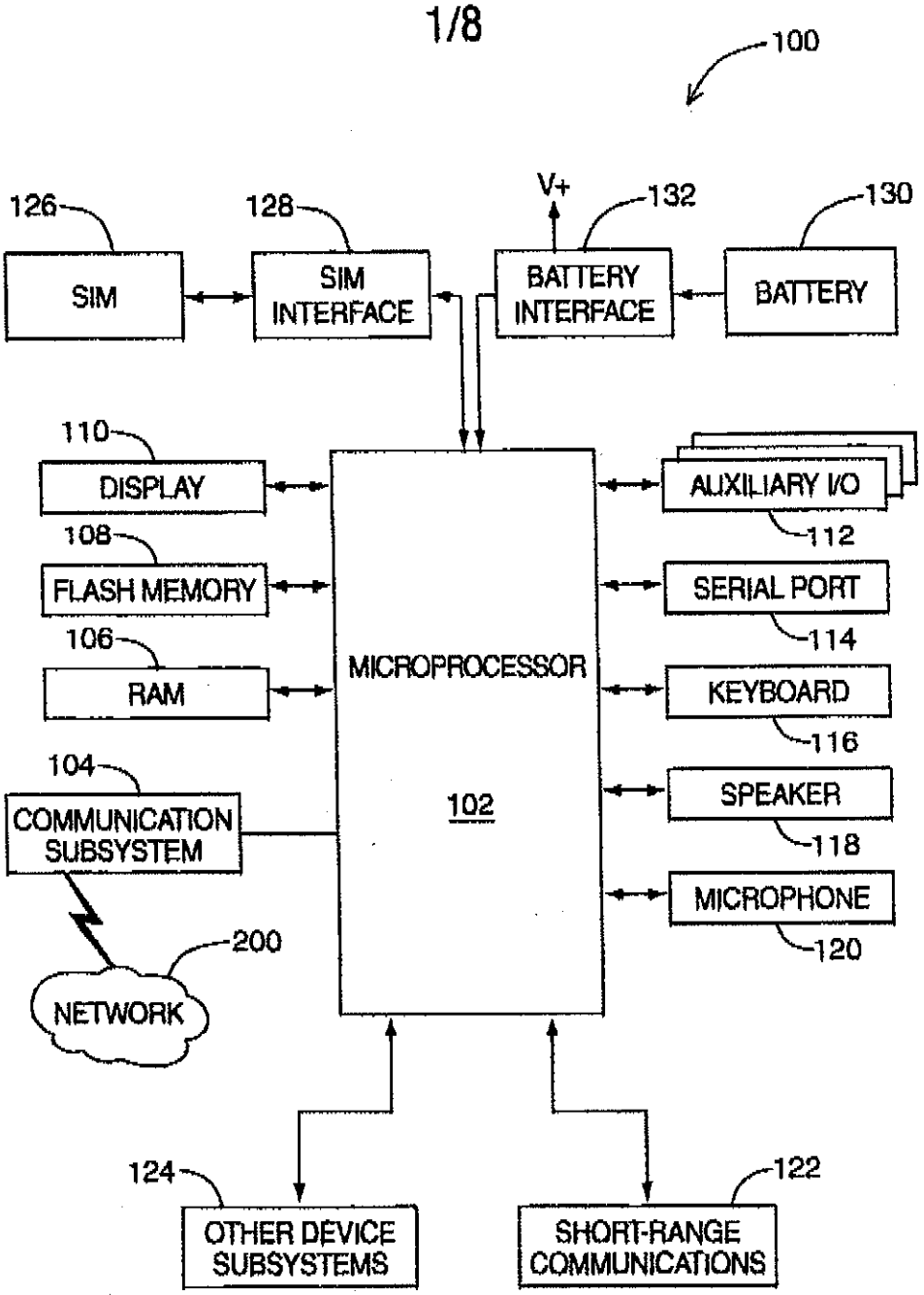

100
126
SIM
128
SIM INTERFACE
V+
132
BATTERY INTERFACE
130
BATTERY
110
DISPLAY
108
FLASH MEMORY
106
RAM
104
COMMUNICATION SUBSYSTEM
200
NETWORK
MICROPROCESSOR
102
AUXILIARY I/O
112
SERIAL PORT
114
KEYBOARD
116
SPEAKER
118
MICROPHONE
120
124
OTHER DEVICE SUBSYSTEMS
122
SHORT-RANGE COMMUNICATIONS

FIG. 1

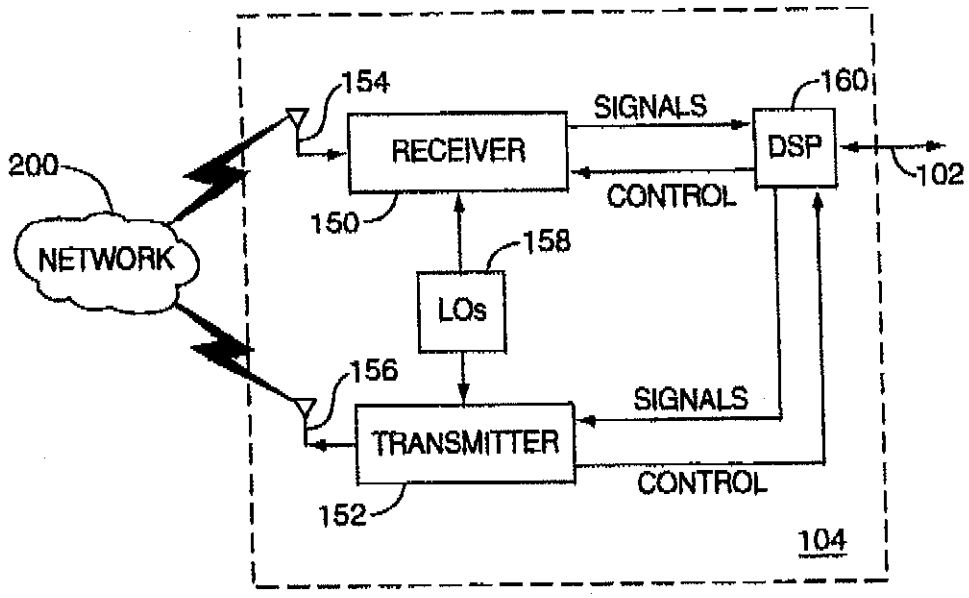

200
NETWORK
154
RECEIVER
150
SIGNALS
CONTROL
160
DSP
102
158
LOs
156
TRANSMITTER
152
SIGNALS
CONTROL
104

FIG. 2

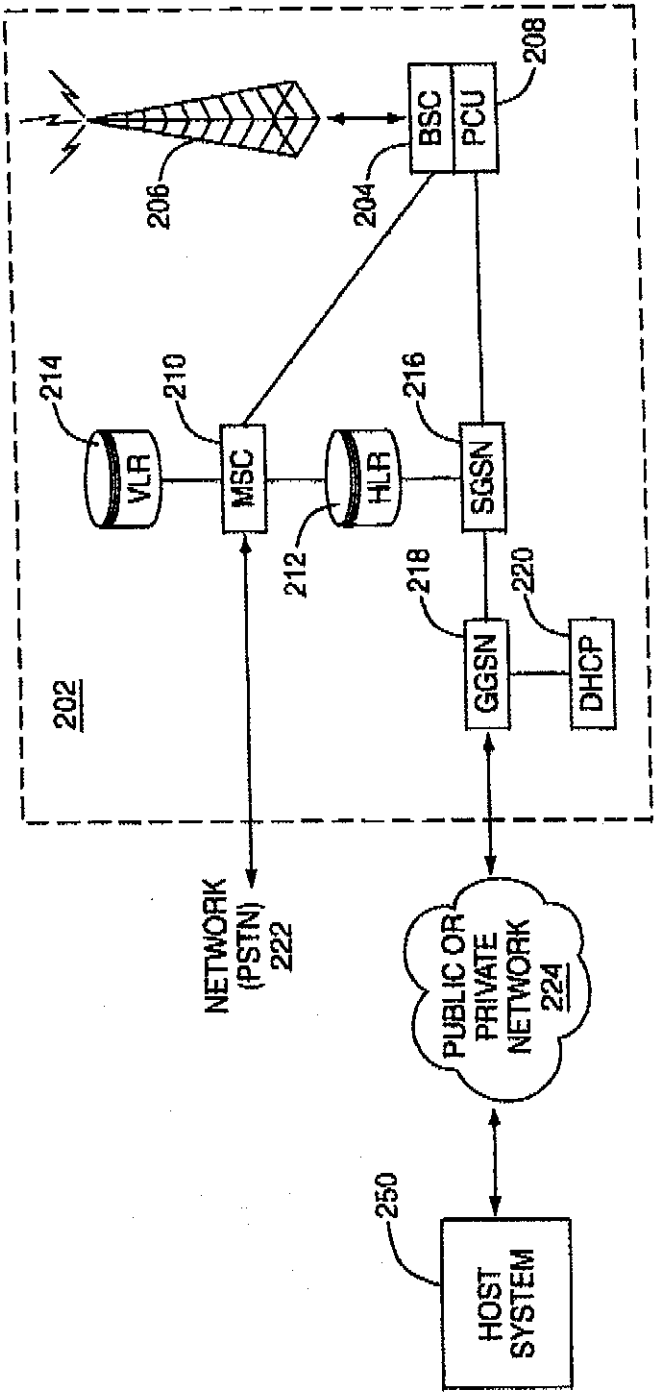

202
206
204
208
BSC
PCU
214
210
216
VLR
MSC
HLR
SGSN
212
218
220
GGSN
DHCP
NETWORK (PSTN) 222
PUBLIC OR PRIVATE NETWORK 224
250
HOST SYSTEM

FIG. 3

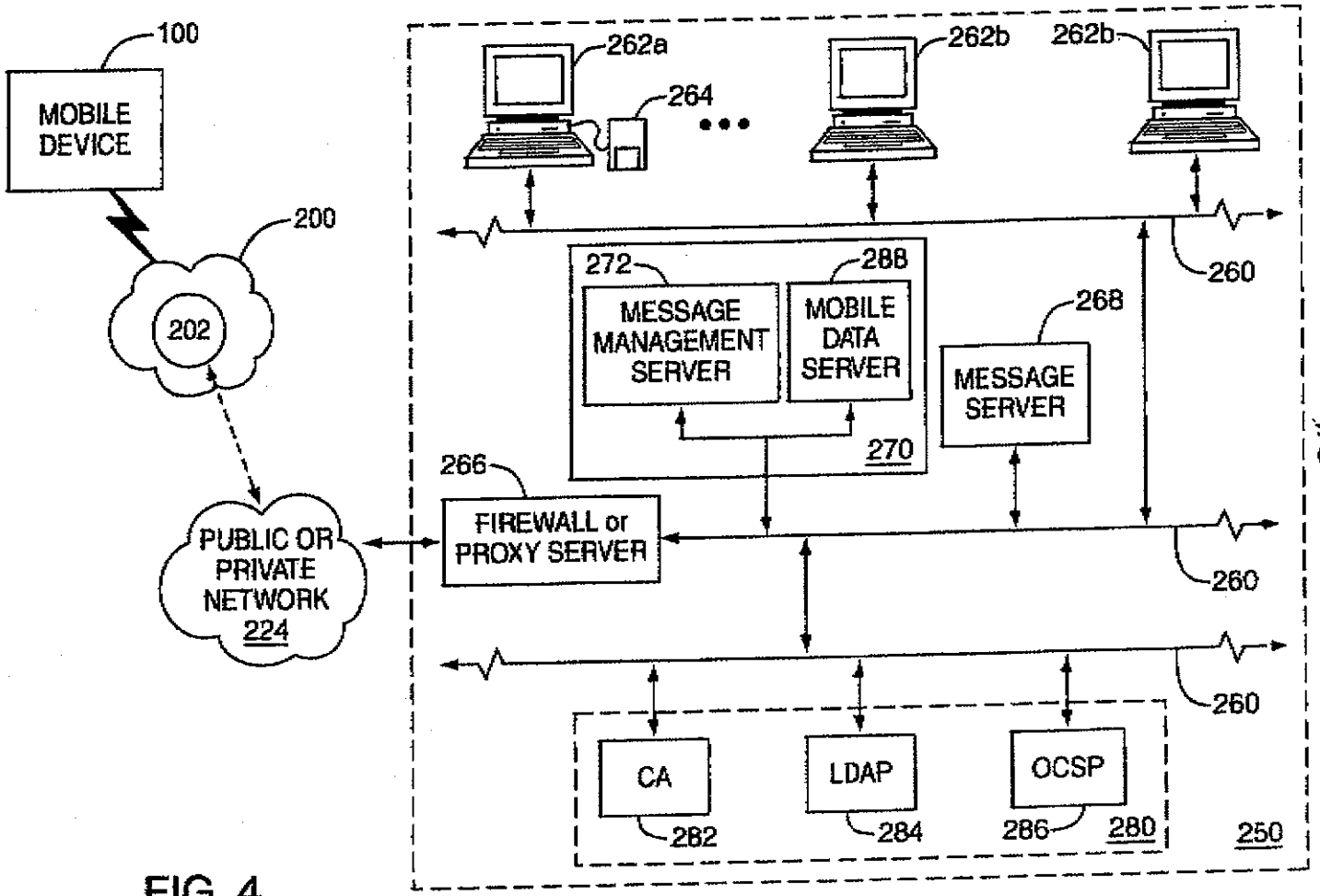

100
MOBILE DEVICE
200
202
PUBLIC OR PRIVATE NETWORK 224
262a
264
262b
262b
260
272
MESSAGE MANAGEMENT SERVER
288
MOBILE DATA SERVER
270
268
MESSAGE SERVER
266
FIREWALL or PROXY SERVER
260
260
CA
282
LDAP
284
OCSP
286
280
250

FIG. 4

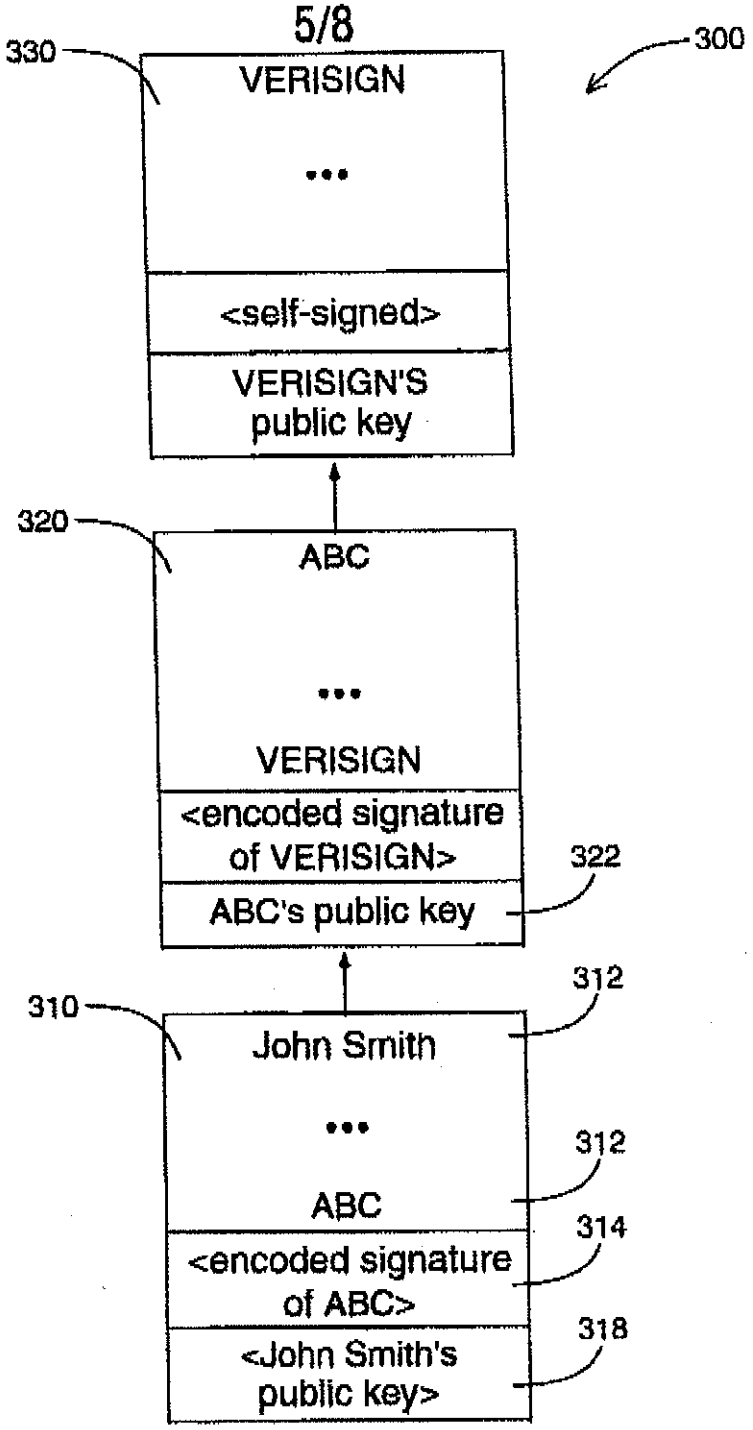

330
300
VERISIGN
...
<self-signed>
VERISIGN'S public key
320
ABC
...
VERISIGN
<encoded signature of VERISIGN>
322
ABC's public key
310
312
John Smith
...
312
ABC
314
<encoded signature of ABC>
318
<John Smith's public key>

FIG. 5

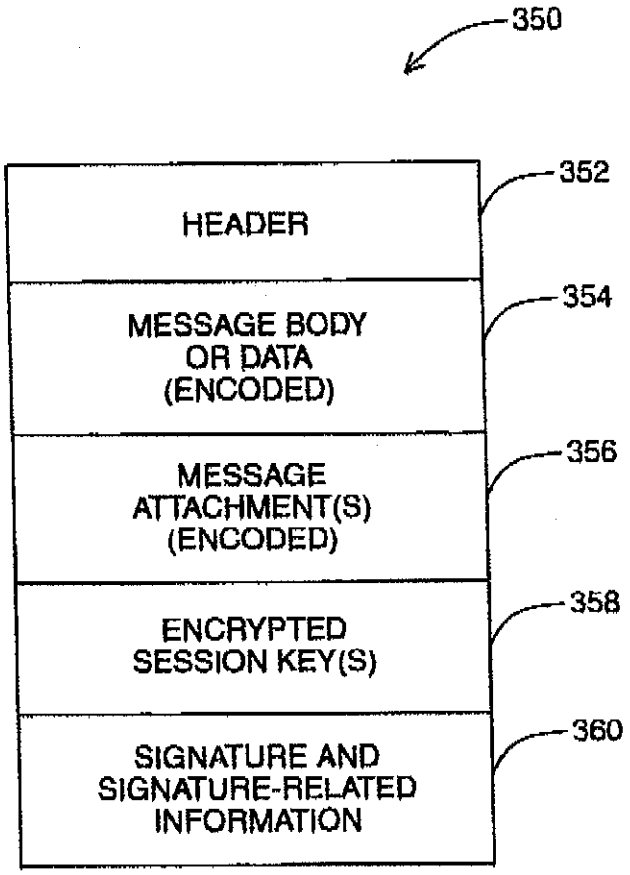

350
HEADER
352
MESSAGE BODY OR DATA (ENCODED)
354
MESSAGE ATTACHMENT(S) (ENCODED)
356
ENCRYPTED SESSION KEY(S)
358
SIGNATURE AND SIGNATURE-RELATED INFORMATION
360

FIG. 6

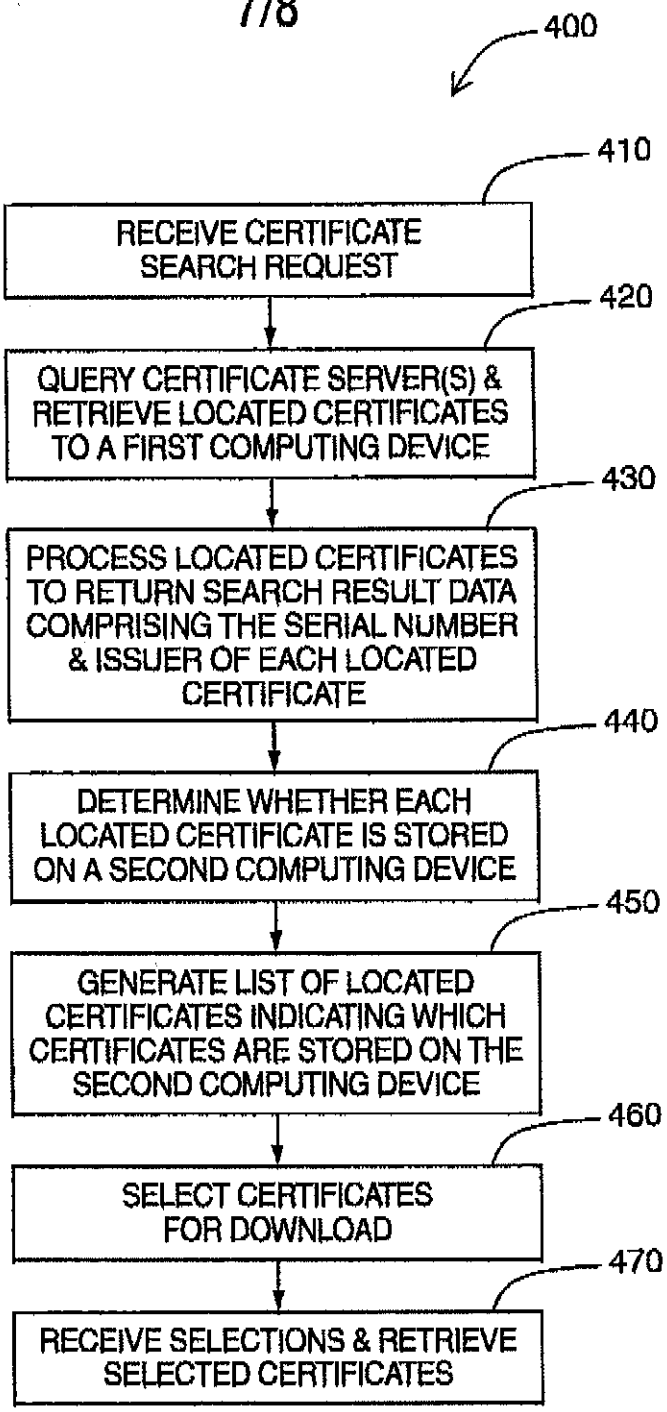

400
410
RECEIVE CERTIFICATE SEARCH REQUEST
420
QUERY CERTIFICATE SERVER(S) & RETRIEVE LOCATED CERTIFICATES TO A FIRST COMPUTING DEVICE
430
PROCESS LOCATED CERTIFICATES TO RETURN SEARCH RESULT DATA COMPRISING THE SERIAL NUMBER & ISSUER OF EACH LOCATED CERTIFICATE
440
DETERMINE WHETHER EACH LOCATED CERTIFICATE IS STORED ON A SECOND COMPUTING DEVICE
450
GENERATE LIST OF LOCATED CERTIFICATES INDICATING WHICH CERTIFICATES ARE STORED ON THE SECOND COMPUTING DEVICE
460
SELECT CERTIFICATES FOR DOWNLOAD
470
RECEIVE SELECTIONS & RETRIEVE SELECTED CERTIFICATES

FIG. 7A

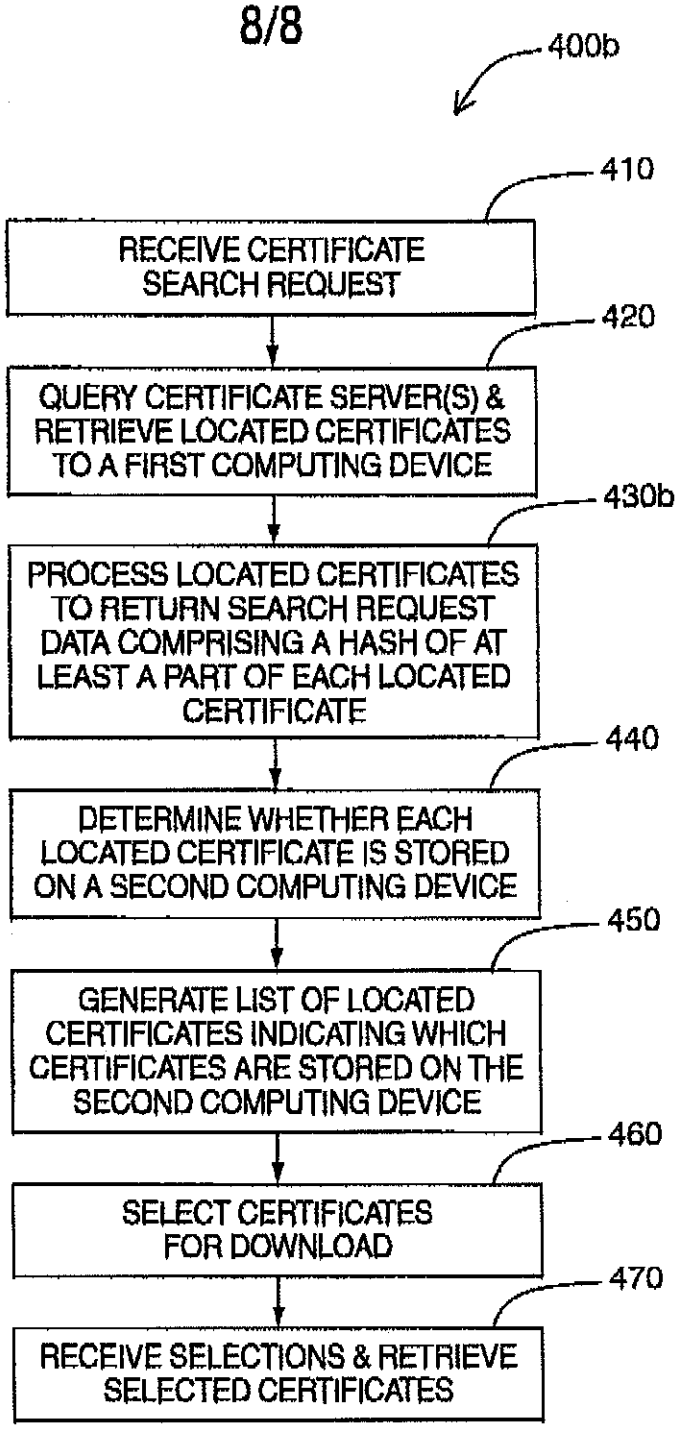

400b
410
RECEIVE CERTIFICATE SEARCH REQUEST
420
QUERY CERTIFICATE SERVER(S) & RETRIEVE LOCATED CERTIFICATES TO A FIRST COMPUTING DEVICE
430b
PROCESS LOCATED CERTIFICATES TO RETURN SEARCH REQUEST DATA COMPRISING A HASH OF AT LEAST A PART OF EACH LOCATED CERTIFICATE
440
DETERMINE WHETHER EACH LOCATED CERTIFICATE IS STORED ON A SECOND COMPUTING DEVICE
450
GENERATE LIST OF LOCATED CERTIFICATES INDICATING WHICH CERTIFICATES ARE STORED ON THE SECOND COMPUTING DEVICE
460
SELECT CERTIFICATES FOR DOWNLOAD
470
RECEIVE SELECTIONS & RETRIEVE SELECTED CERTIFICATES

FIG. 7B