163163

G00002

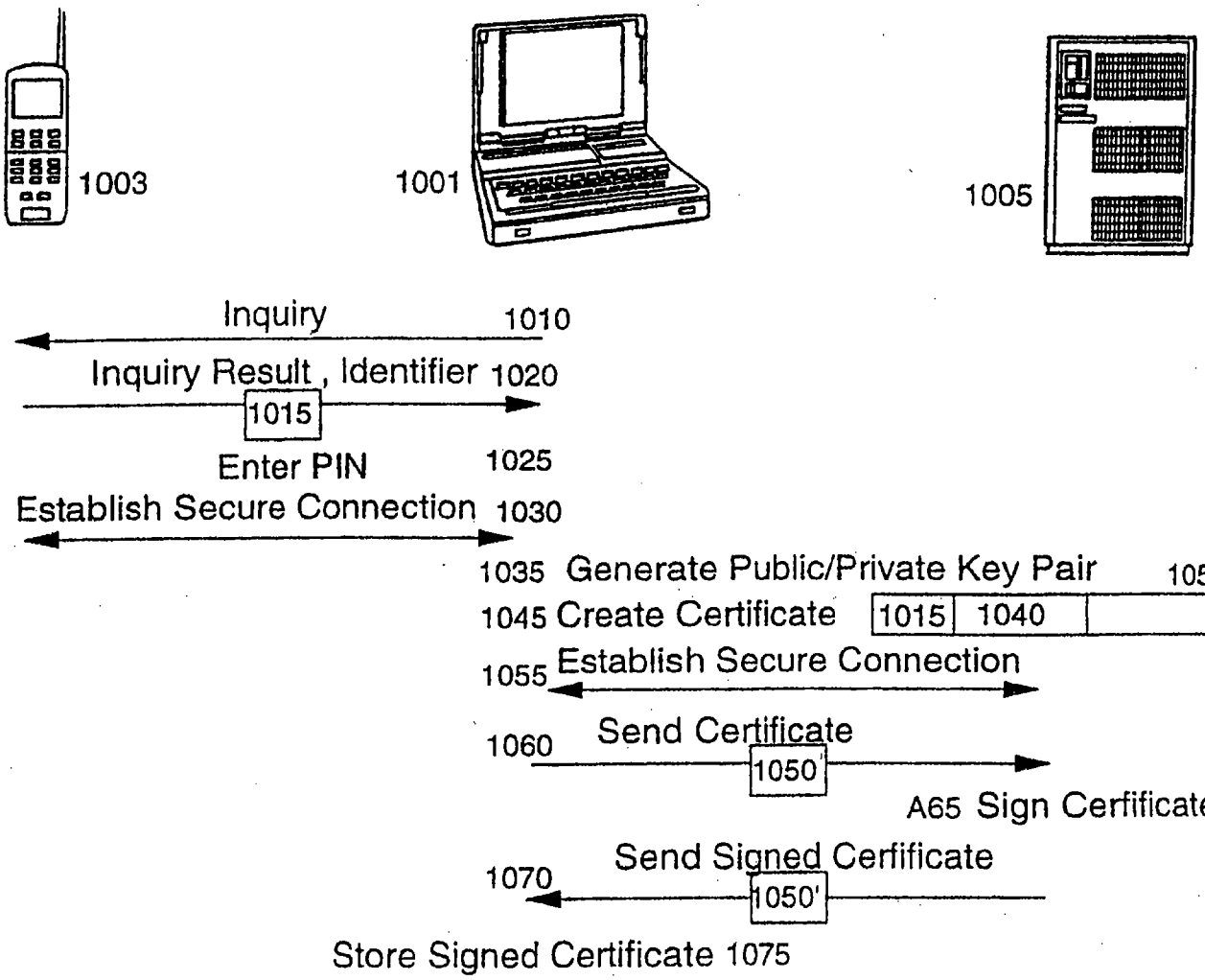


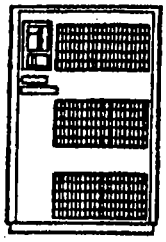
Fig. 1



1003



1001



1005

1080 Send Cert. & Keys, Disconnect

Store Signed Certificate
and Public Key 1085

Store Private Key 1090
as Protected Value

Delete PIN 1095 Delete PIN

Fig. 2

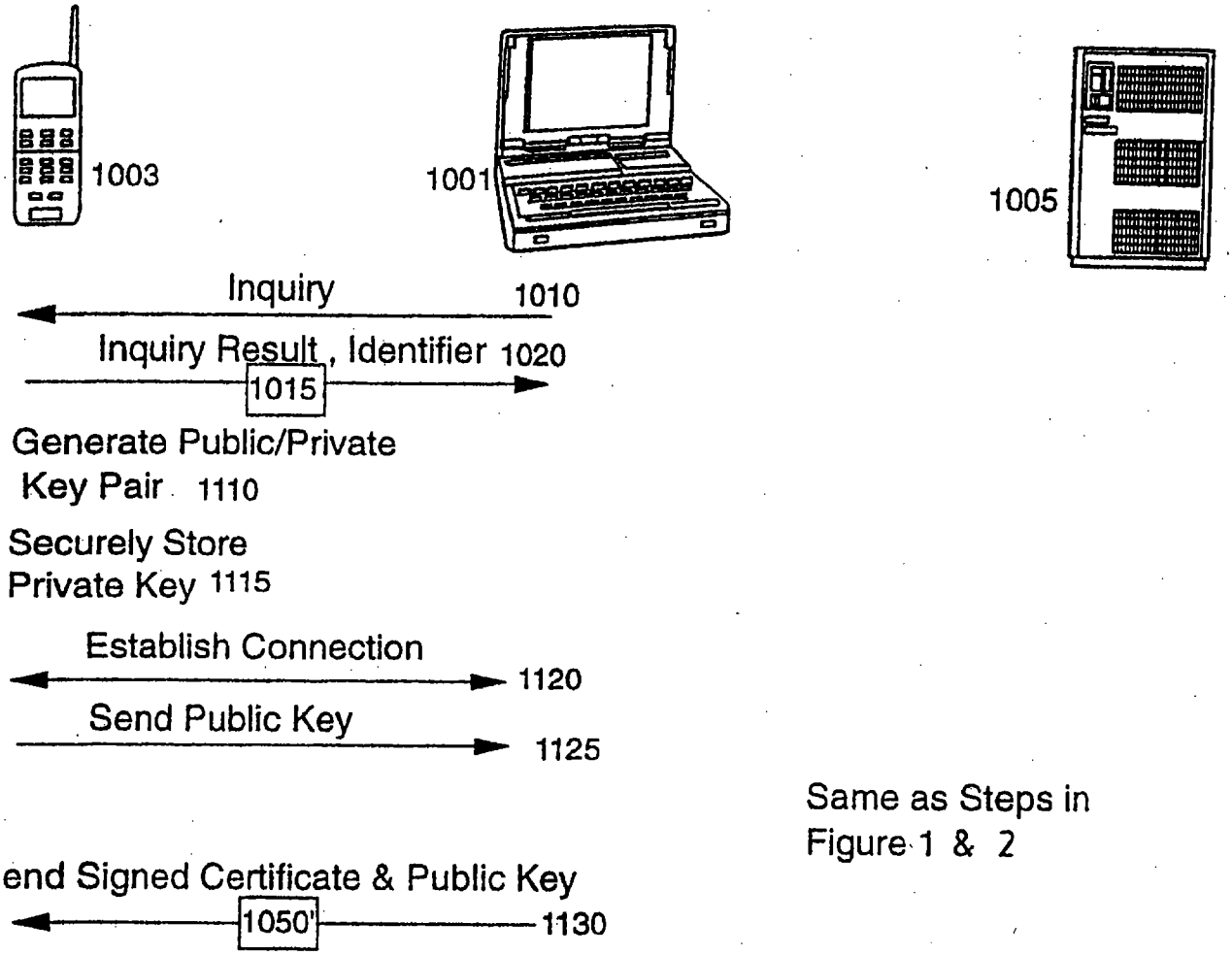

1003
1001
1005
Inquiry
1010
Inquiry Result , Identifier 1020
1015
Generate Public/Private
Key Pair 1110
Securely Store
Private Key 1115
Establish Connection
1120
Send Public Key
1125
Same as Steps in
Figure 1 & 2
Send Signed Certificate & Public Key
1050'
1130

Fig. 3

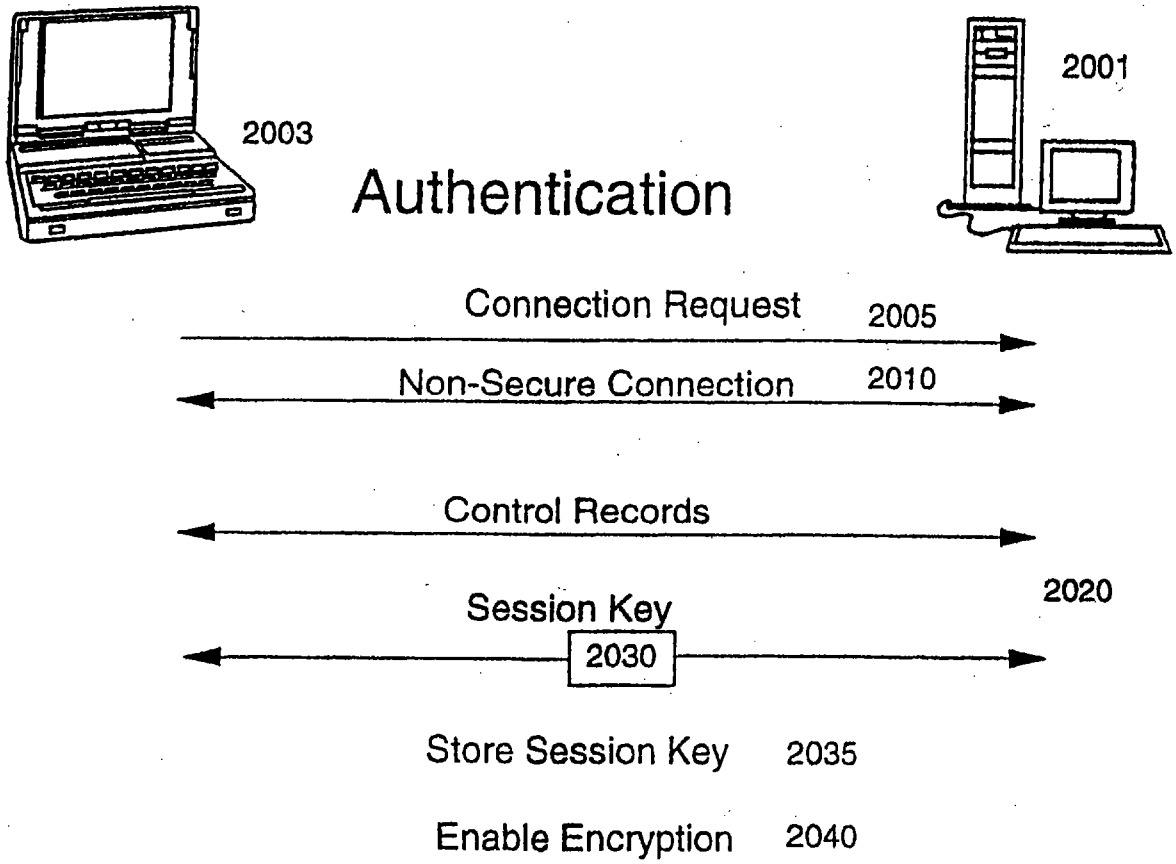

2003
Authentication
2001
Connection Request
2005
Non-Secure Connection
2010
Control Records
Session Key
2020
2030
Store Session Key
2035
Enable Encryption
2040

Fig. 4

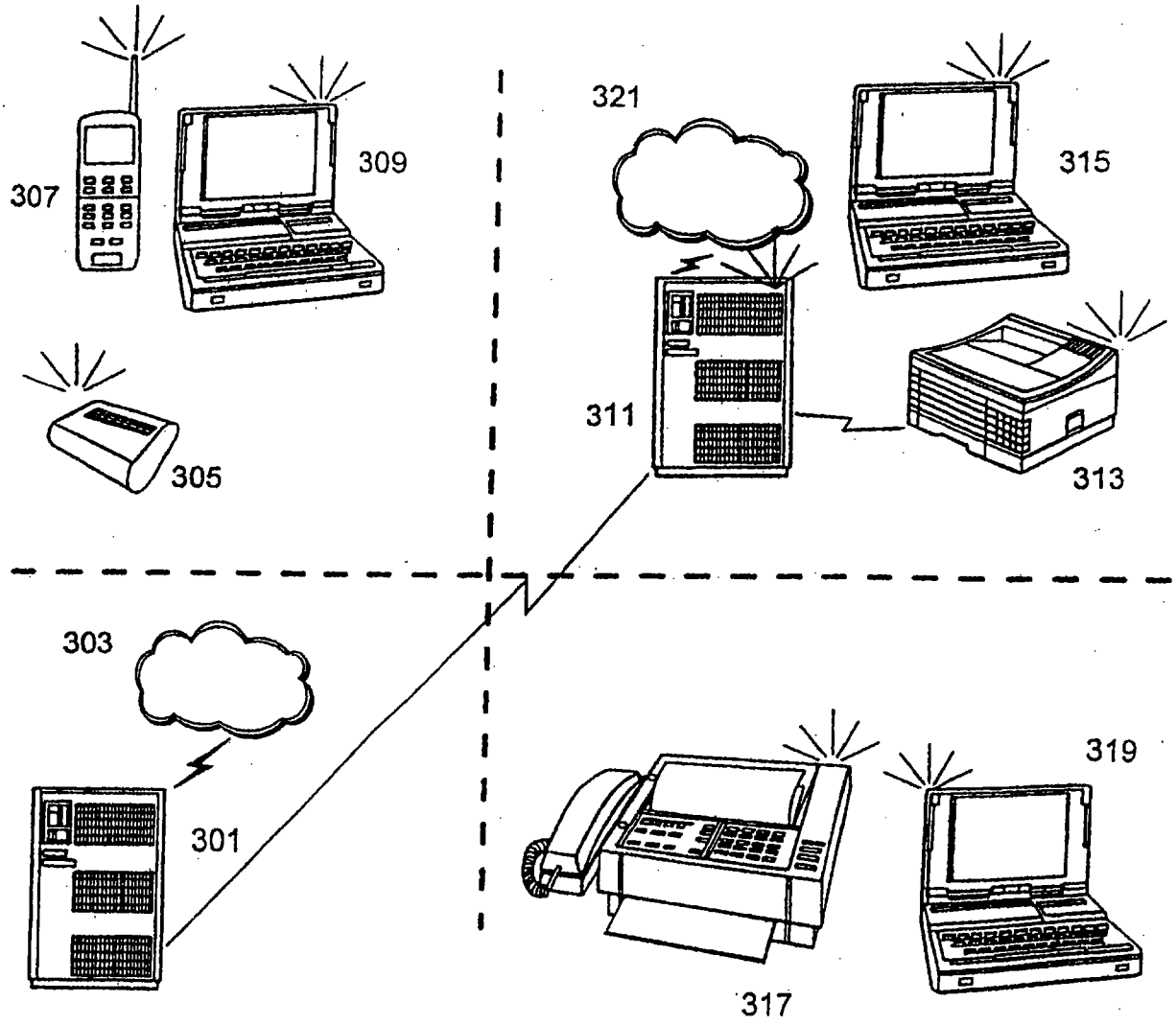


Fig. 5

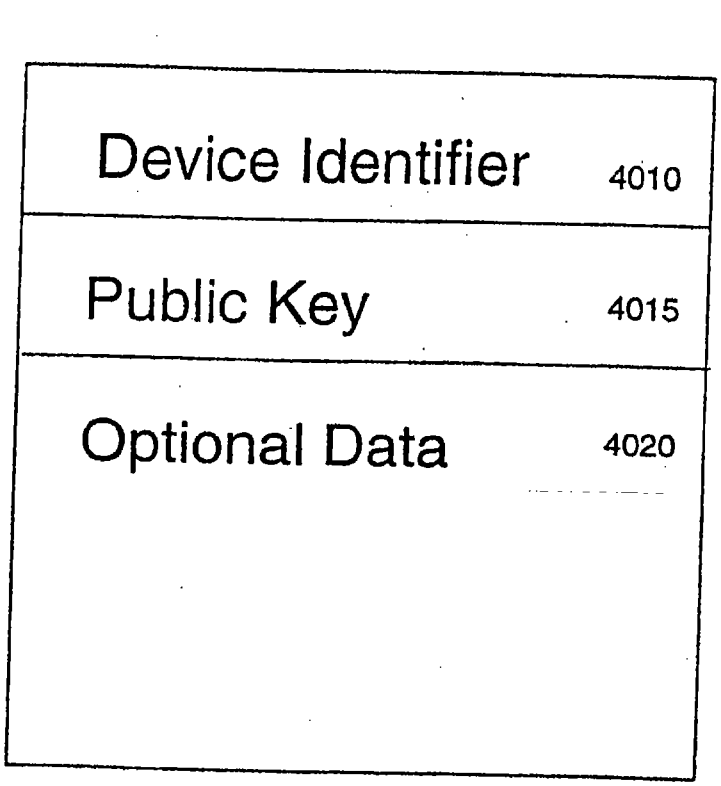

1050'
Device Identifier
4010
Public Key
4015
Optional Data
4020

Fig. 6

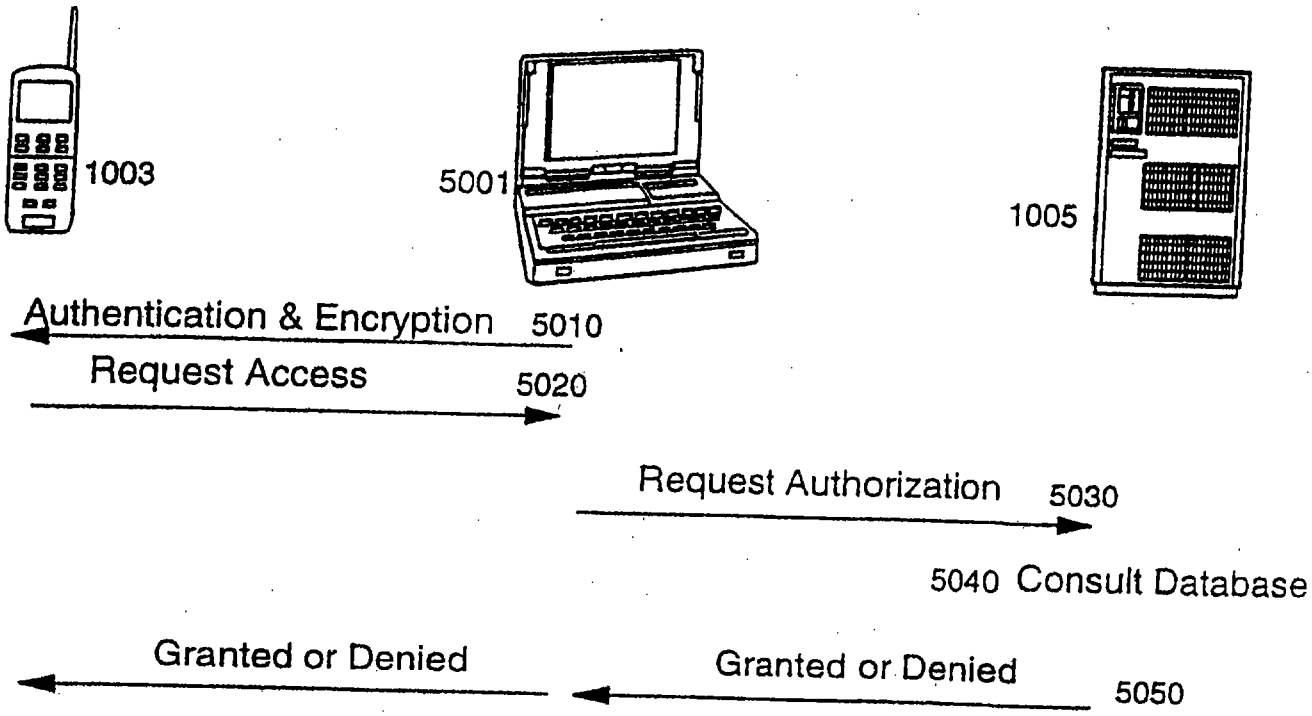

1003
5001
1005
Authentication & Encryption 5010
Request Access 5020
Request Authorization 5030
5040 Consult Database
Granted or Denied
Granted or Denied 5050

Fig. 7

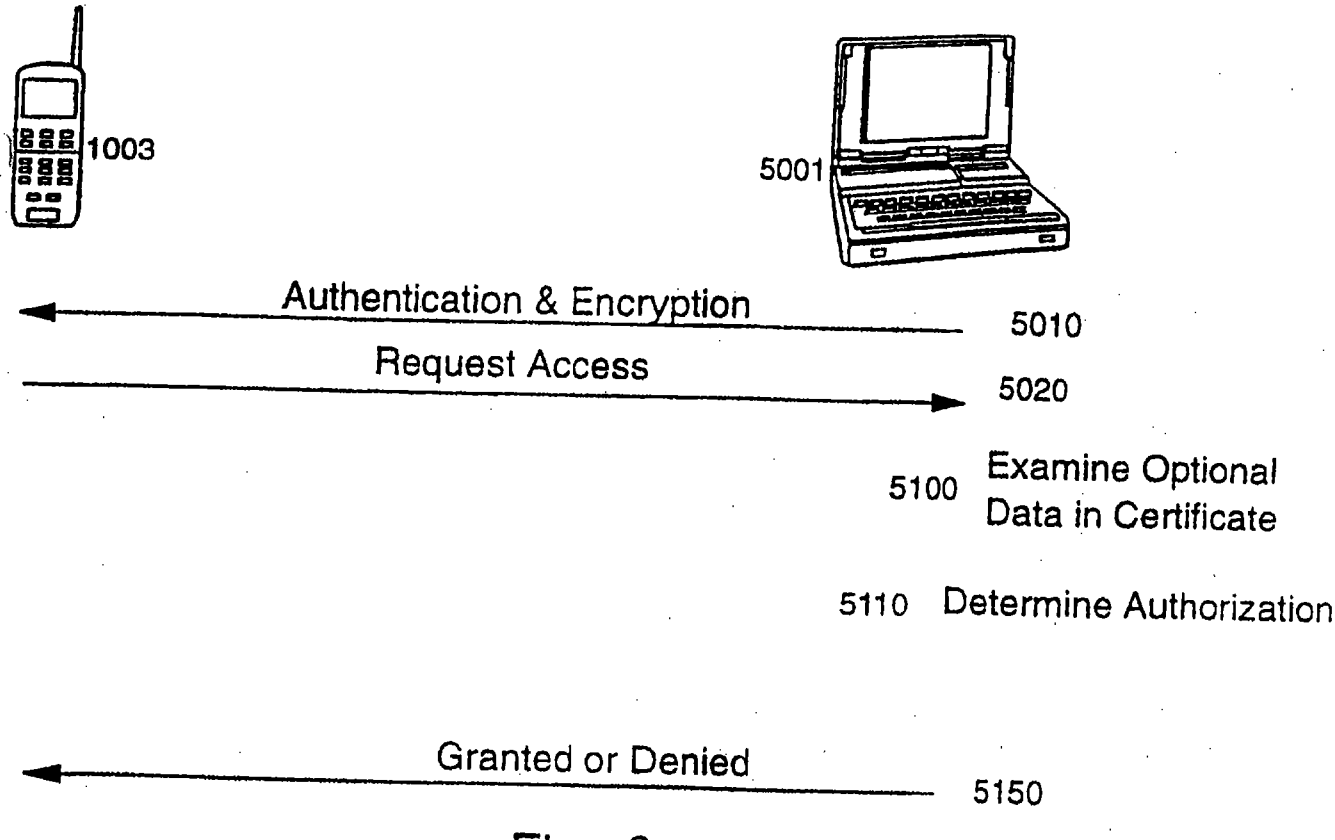

1003
5001
Authentication & Encryption 5010
Request Access 5020
5100 Examine Optional Data in Certificate
5110 Determine Authorization
Granted or Denied 5150

Fig. 8



Head Set 6001

6003

Unpaired
Device Certificate Present 6010 Unpaired
Device Certificate Present

User Initiates Pairing 6020 User Initiates Pairing

6030 Authentication Flows

6040 Display Device ID from Certificate

User compares device ID displayed with externally provided device ID 6050

User accepts pairing if they match 6060

User rejects pairing if they don't match 6070

Fig. 9