
Receive payment information sent by a second mobile device
101
Obtain account information corresponding to first mobile device identifier information
102

FIG. 1

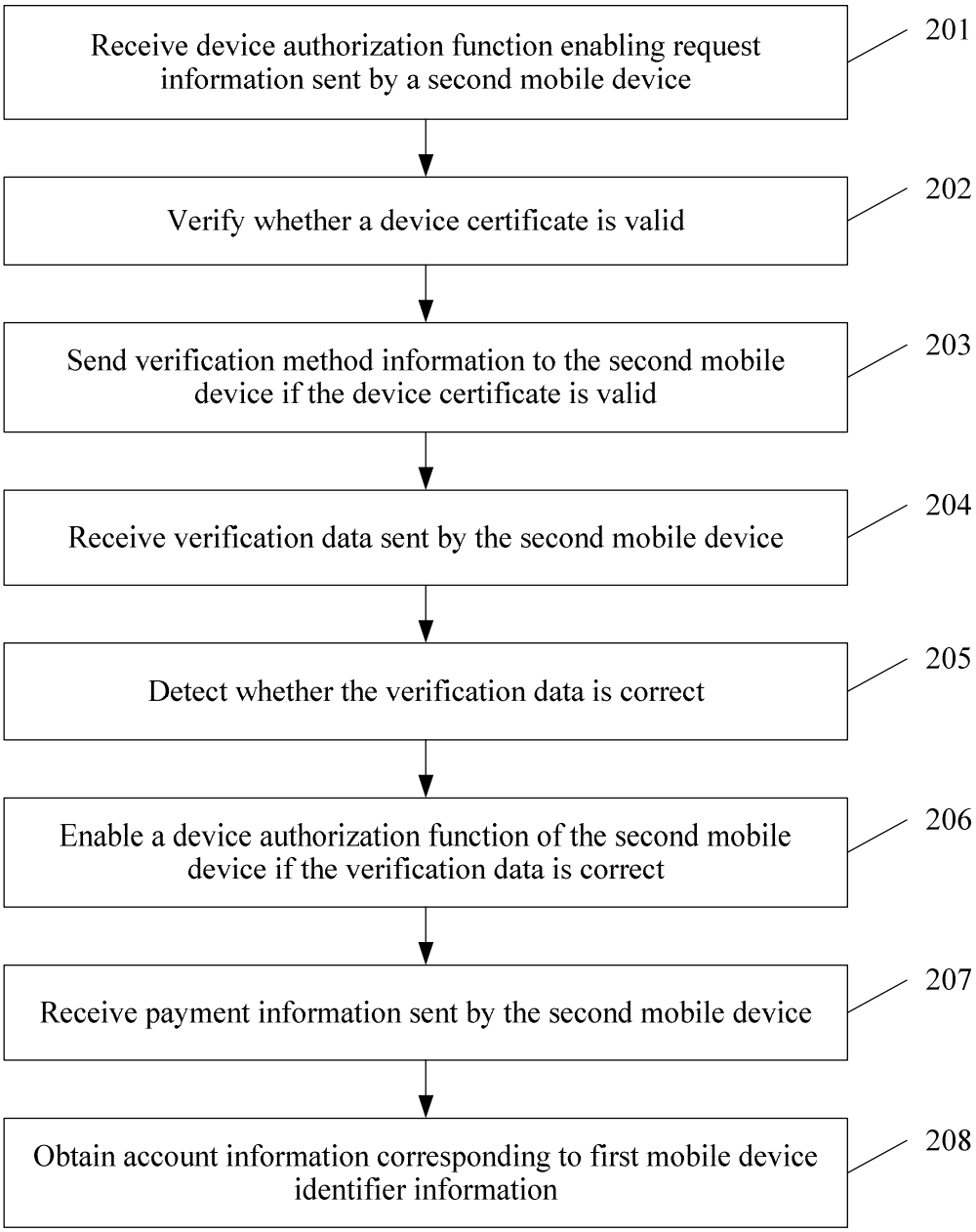

Receive device authorization function enabling request information sent by a second mobile device
201
Verify whether a device certificate is valid
202
Send verification method information to the second mobile device if the device certificate is valid
203
Receive verification data sent by the second mobile device
204
Detect whether the verification data is correct
205
Enable a device authorization function of the second mobile device if the verification data is correct
206
Receive payment information sent by the second mobile device
207
Obtain account information corresponding to first mobile device identifier information
208

FIG. 2

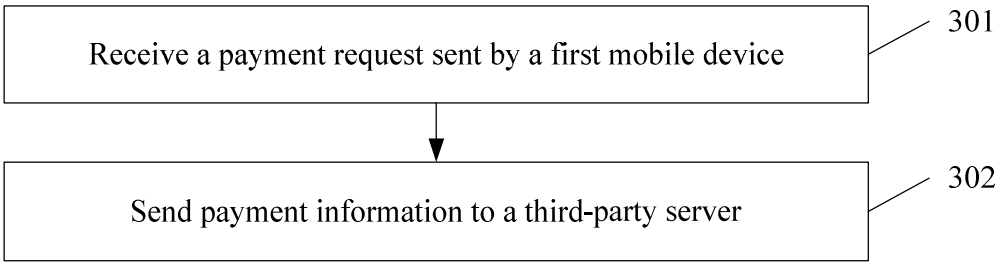

Receive a payment request sent by a first mobile device
301
Send payment information to a third-party server
302

FIG. 3

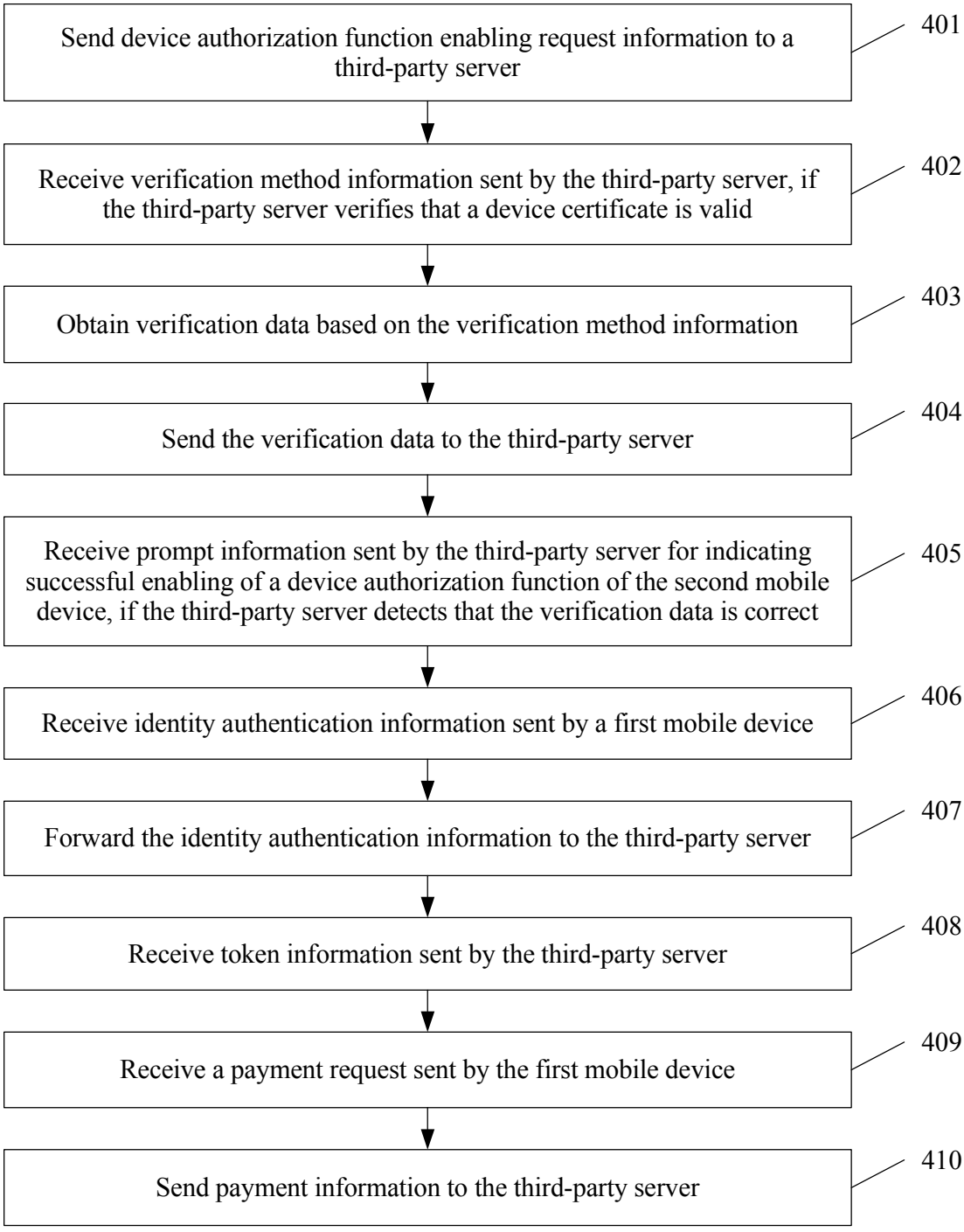

Send device authorization function enabling request information to a third-party server
401
Receive verification method information sent by the third-party server, if the third-party server verifies that a device certificate is valid
402
Obtain verification data based on the verification method information
403
Send the verification data to the third-party server
404
Receive prompt information sent by the third-party server for indicating successful enabling of a device authorization function of the second mobile device, if the third-party server detects that the verification data is correct
405
Receive identity authentication information sent by a first mobile device
406
Forward the identity authentication information to the third-party server
407
Receive token information sent by the third-party server
408
Receive a payment request sent by the first mobile device
409
Send payment information to the third-party server
410

FIG. 4

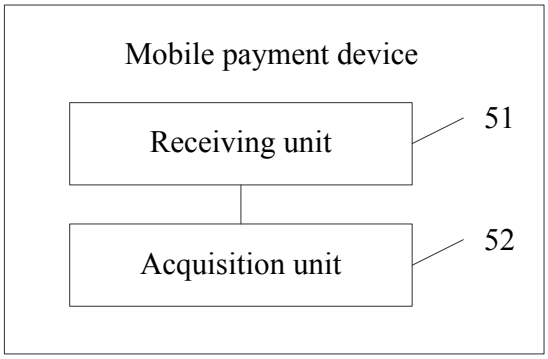

Mobile payment device
Receiving unit
51
Acquisition unit
52

FIG. 5

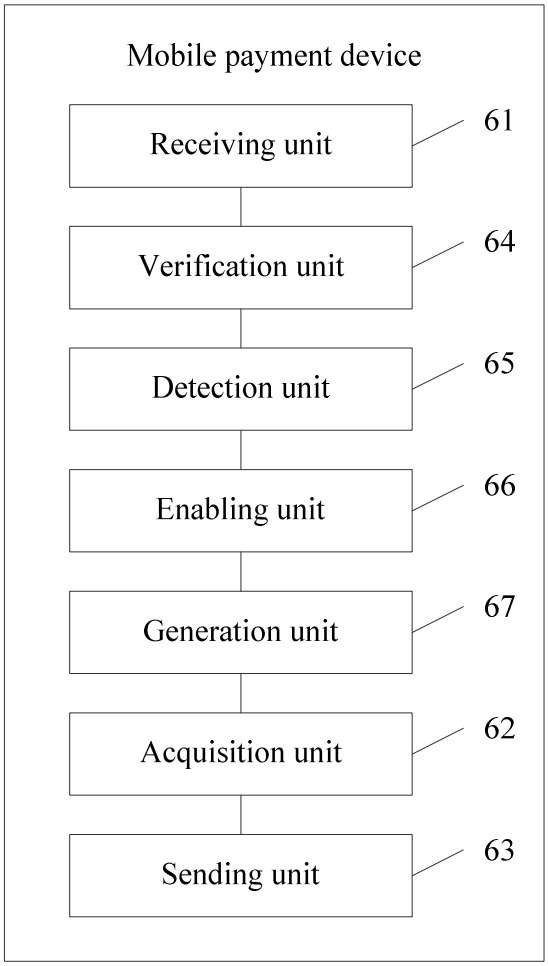

Mobile payment device
Receiving unit
61
Verification unit
64
Detection unit
65
Enabling unit
66
Generation unit
67
Acquisition unit
62
Sending unit
63

FIG. 6

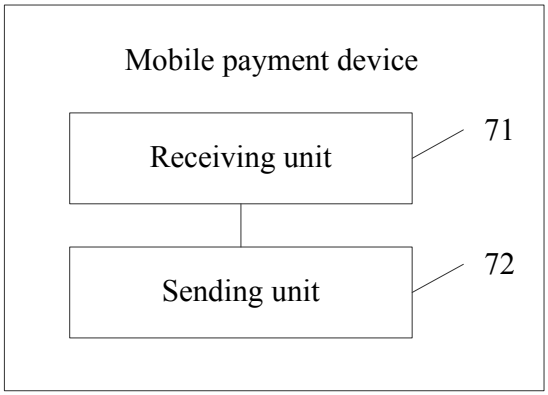


FIG. 7

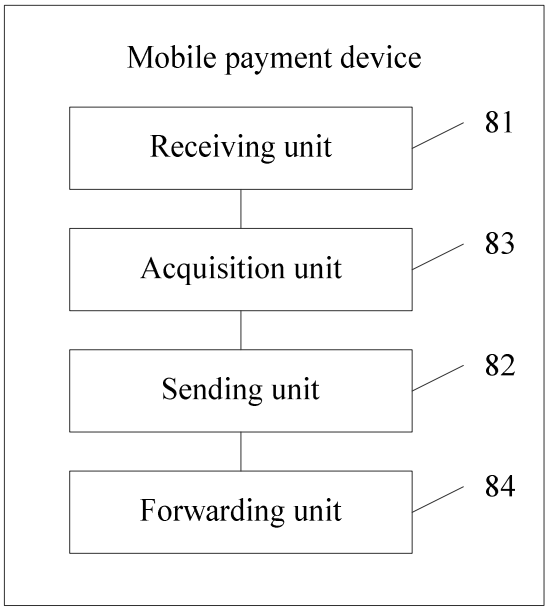


FIG. 8

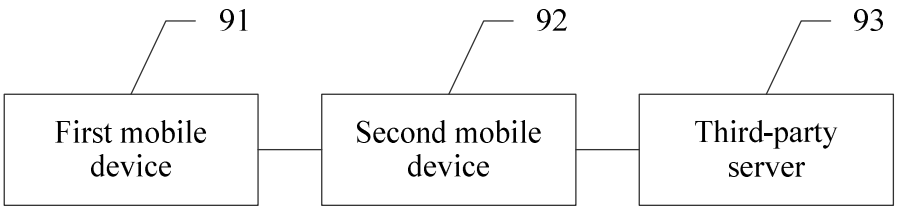


FIG. 9

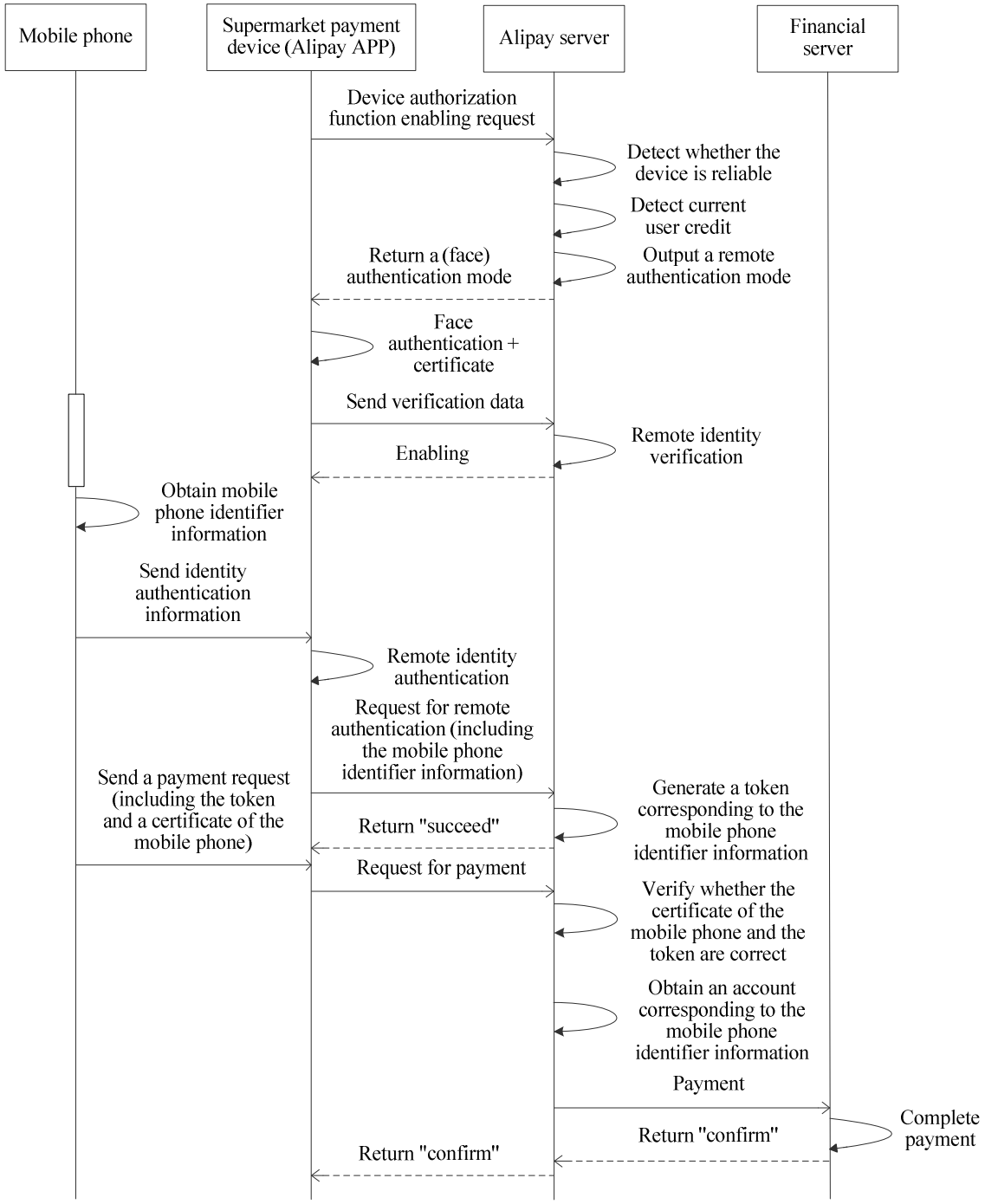

Mobile phone
Supermarket payment device (Alipay APP)
Alipay server
Financial server
Device authorization function enabling request
Detect whether the device is reliable
Detect current user credit
Output a remote authentication mode
Return a (face) authentication mode
Face authentication + certificate
Send verification data
Remote identity verification
Enabling
Obtain mobile phone identifier information
Send identity authentication information
Remote identity authentication
Request for remote authentication (including the mobile phone identifier information)
Send a payment request (including the token and a certificate of the mobile phone)
Generate a token corresponding to the mobile phone identifier information
Return "succeed"
Request for payment
Verify whether the certificate of the mobile phone and the token are correct
Obtain an account corresponding to the mobile phone identifier information
Payment
Complete payment
Return "confirm"
Return "confirm"

FIG. 10