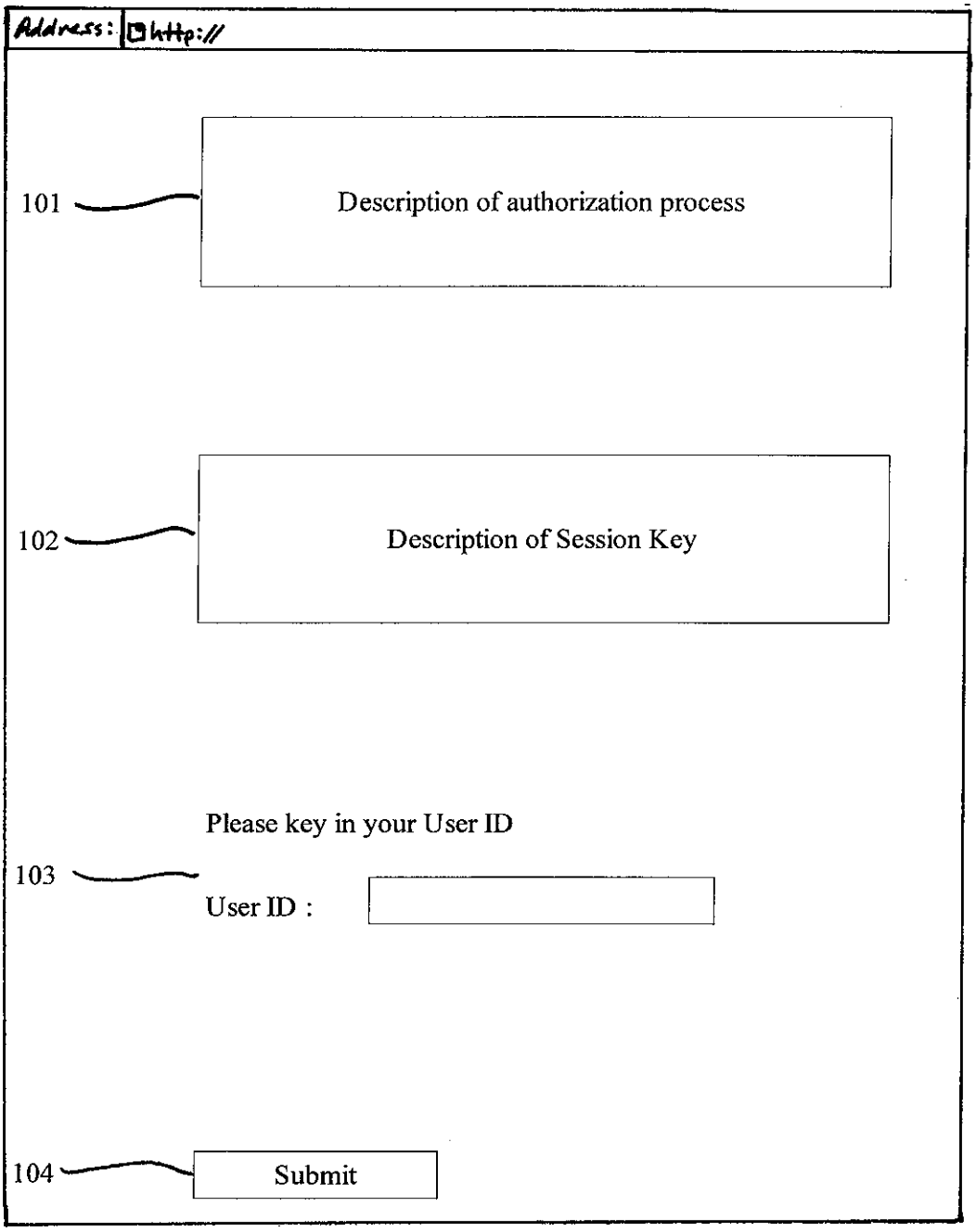
Address: http://
101
Description of authorization process
102
Description of Session Key
Please key in your User ID
103
User ID :
104
Submit

Fig. 1A

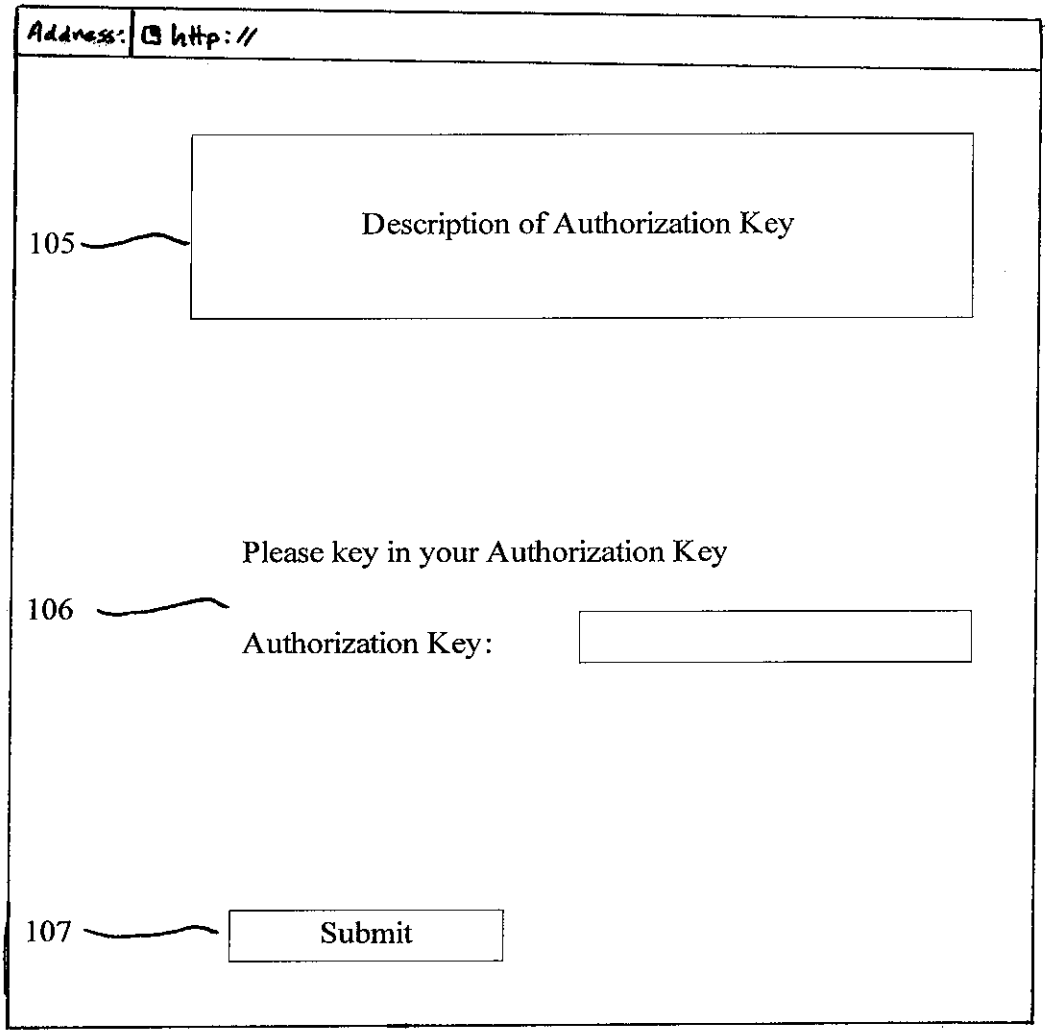
Address: http://
105
Description of Authorization Key
Please key in your Authorization Key
106
Authorization Key:
107
Submit

Fig. 1B

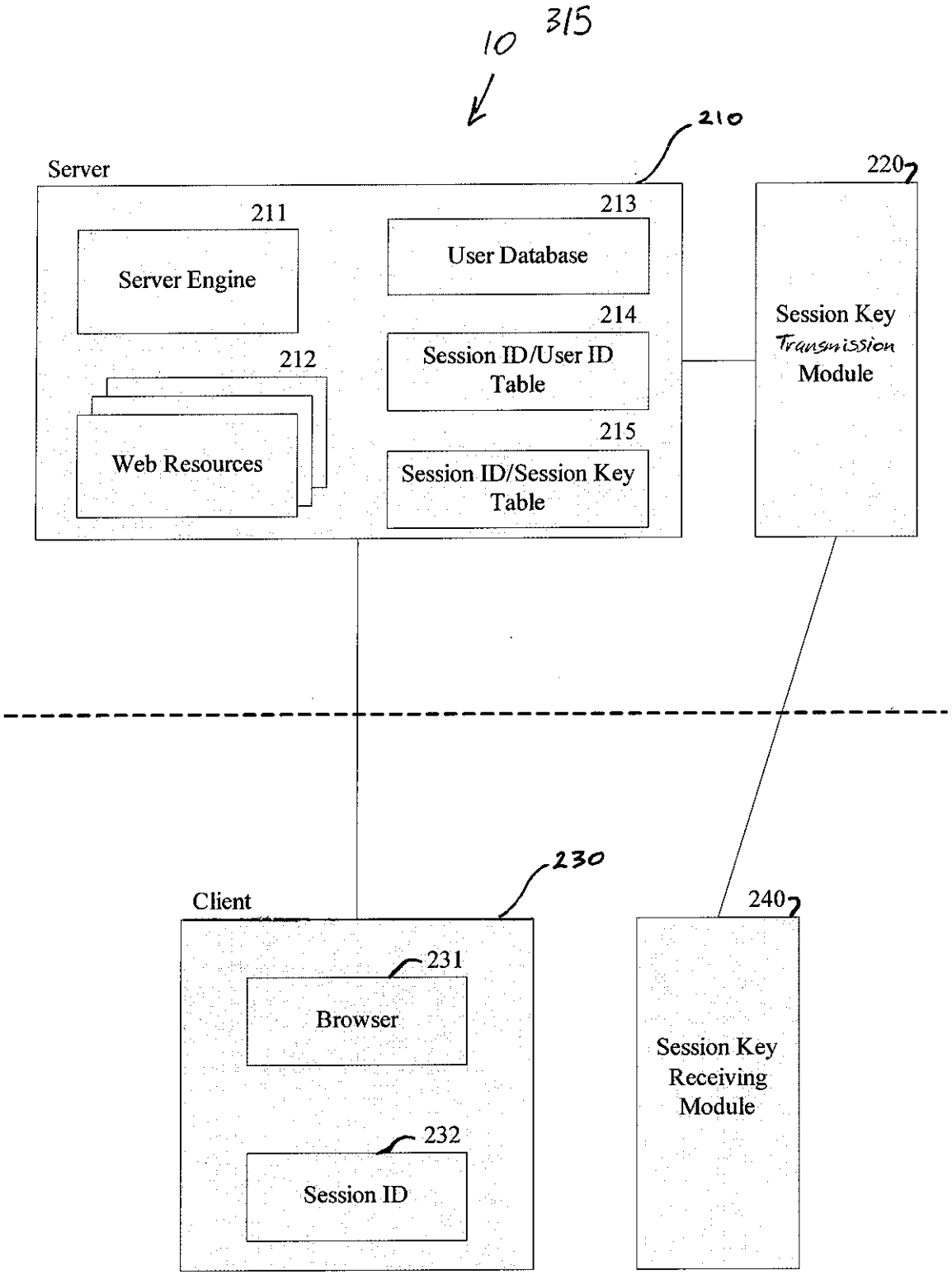
10
315
210
Server
211
Server Engine
212
Web Resources
213
User Database
214
Session ID/User ID Table
215
Session ID/Session Key Table
220
Session Key Transmission Module
230
Client
231
Browser
232
Session ID
240
Session Key Receiving Module

Fig. 2

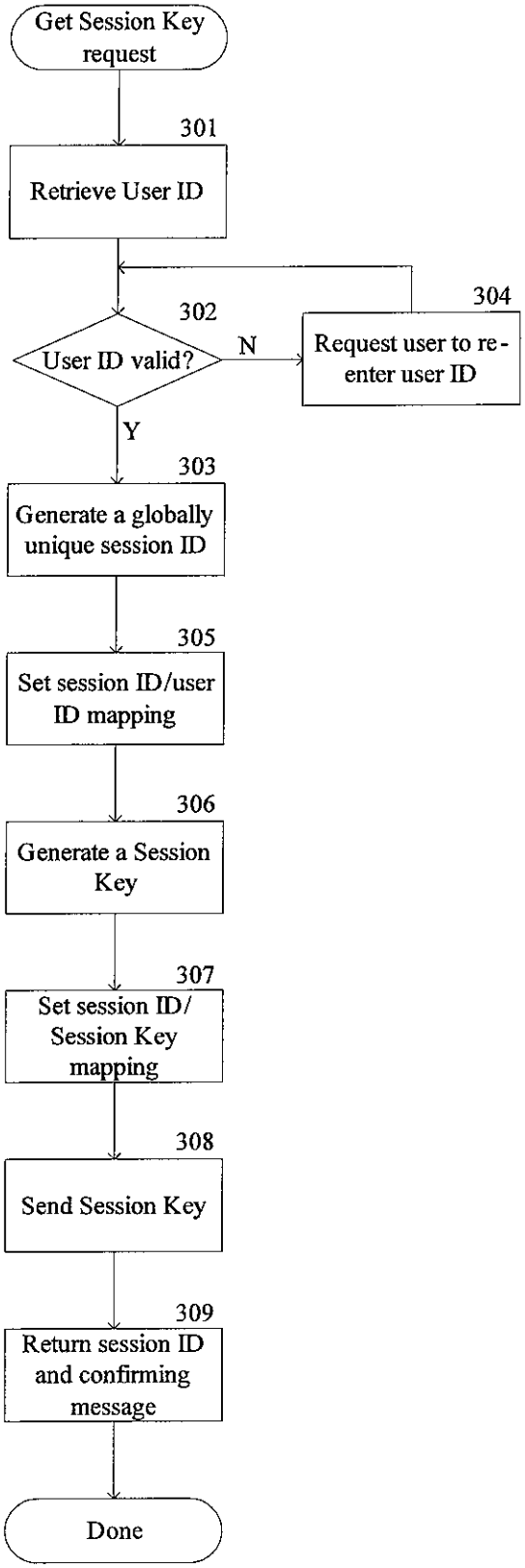
Get Session Key request
301
Retrieve User ID
302
User ID valid?
N
304
Request user to re-enter user ID
Y
303
Generate a globally unique session ID
305
Set session ID/user ID mapping
306
Generate a Session Key
307
Set session ID/ Session Key mapping
308
Send Session Key
309
Return session ID and confirming message
Done

Fig. 3

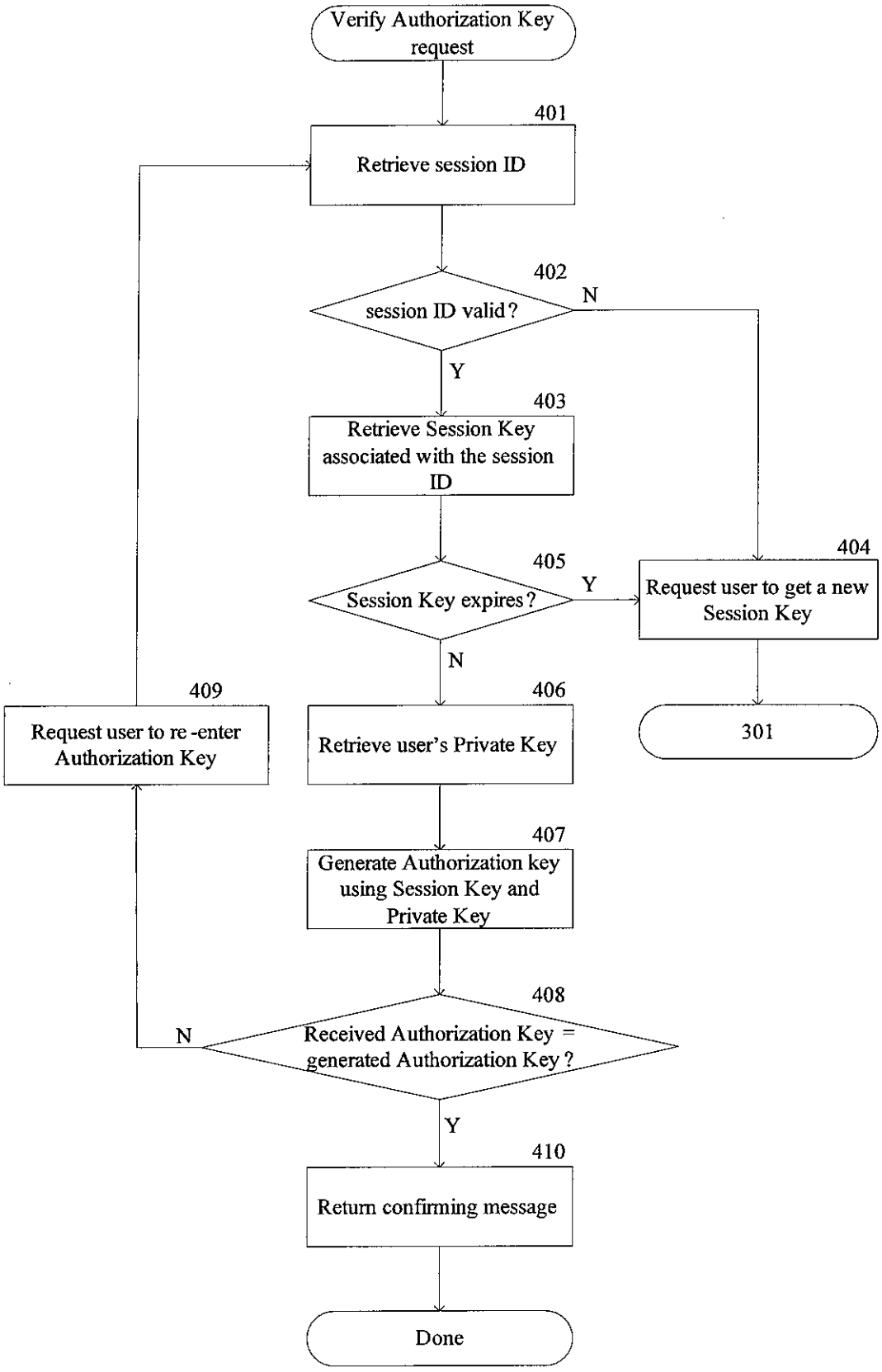
Verify Authorization Key request
401
Retrieve session ID
402
session ID valid?
N
Y
403
Retrieve Session Key associated with the session ID
405
Session Key expires?
Y
404
Request user to get a new Session Key
N
406
Retrieve user's Private Key
301
409
Request user to re-enter Authorization Key
407
Generate Authorization key using Session Key and Private Key
408
N
Received Authorization Key = generated Authorization Key?
Y
410
Return confirming message
Done

Fig. 4