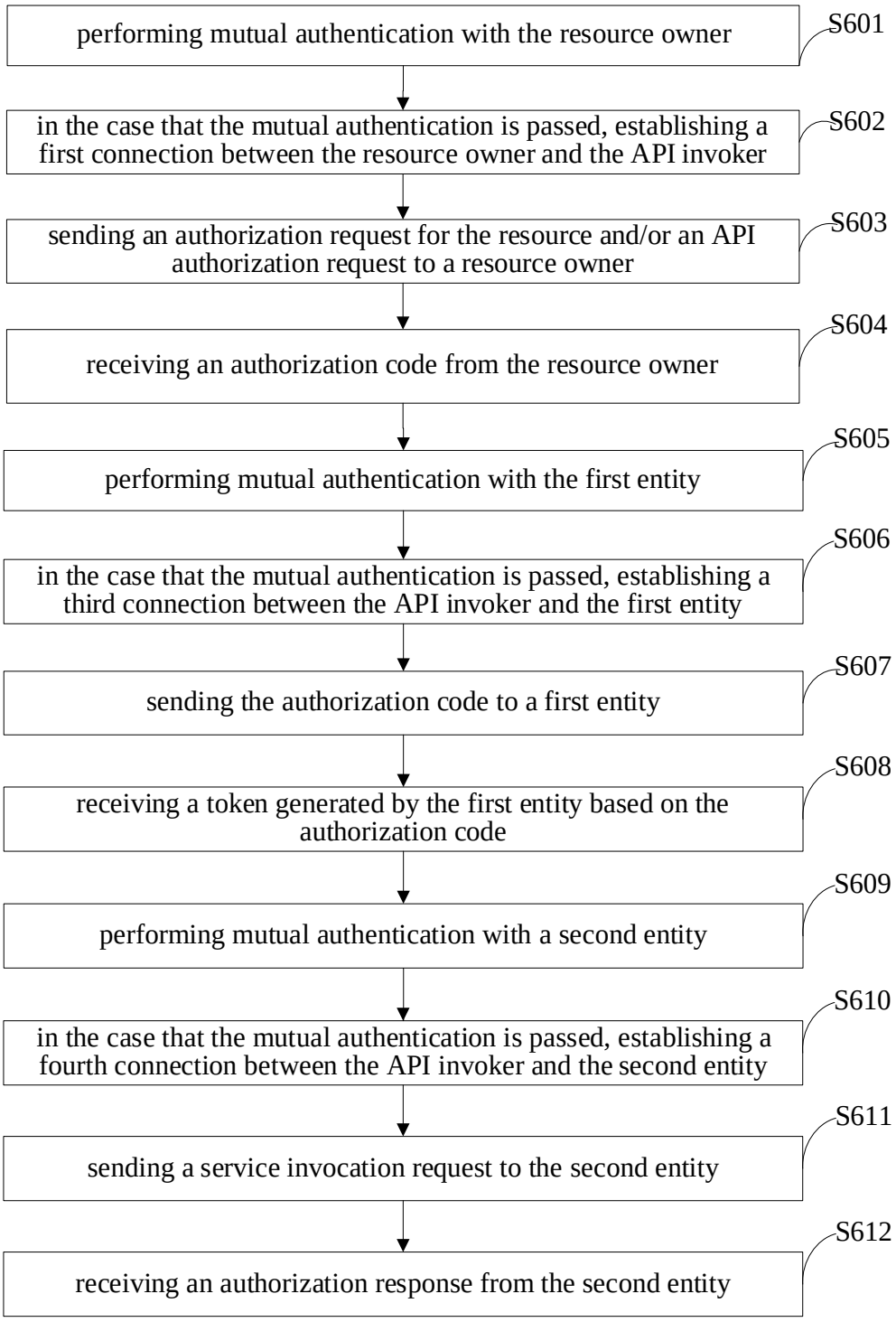

performing mutual authentication with the resource owner
S601
in the case that the mutual authentication is passed, establishing a first connection between the resource owner and the API invoker
S602
sending an authorization request for the resource and/or an API authorization request to a resource owner
S603
receiving an authorization code from the resource owner
S604
performing mutual authentication with the first entity
S605
in the case that the mutual authentication is passed, establishing a third connection between the API invoker and the first entity
S606
sending the authorization code to a first entity
S607
receiving a token generated by the first entity based on the authorization code
S608
performing mutual authentication with a second entity
S609
in the case that the mutual authentication is passed, establishing a fourth connection between the API invoker and the second entity
S610
sending a service invocation request to the second entity
S611
receiving an authorization response from the second entity
S612

FIG. 6

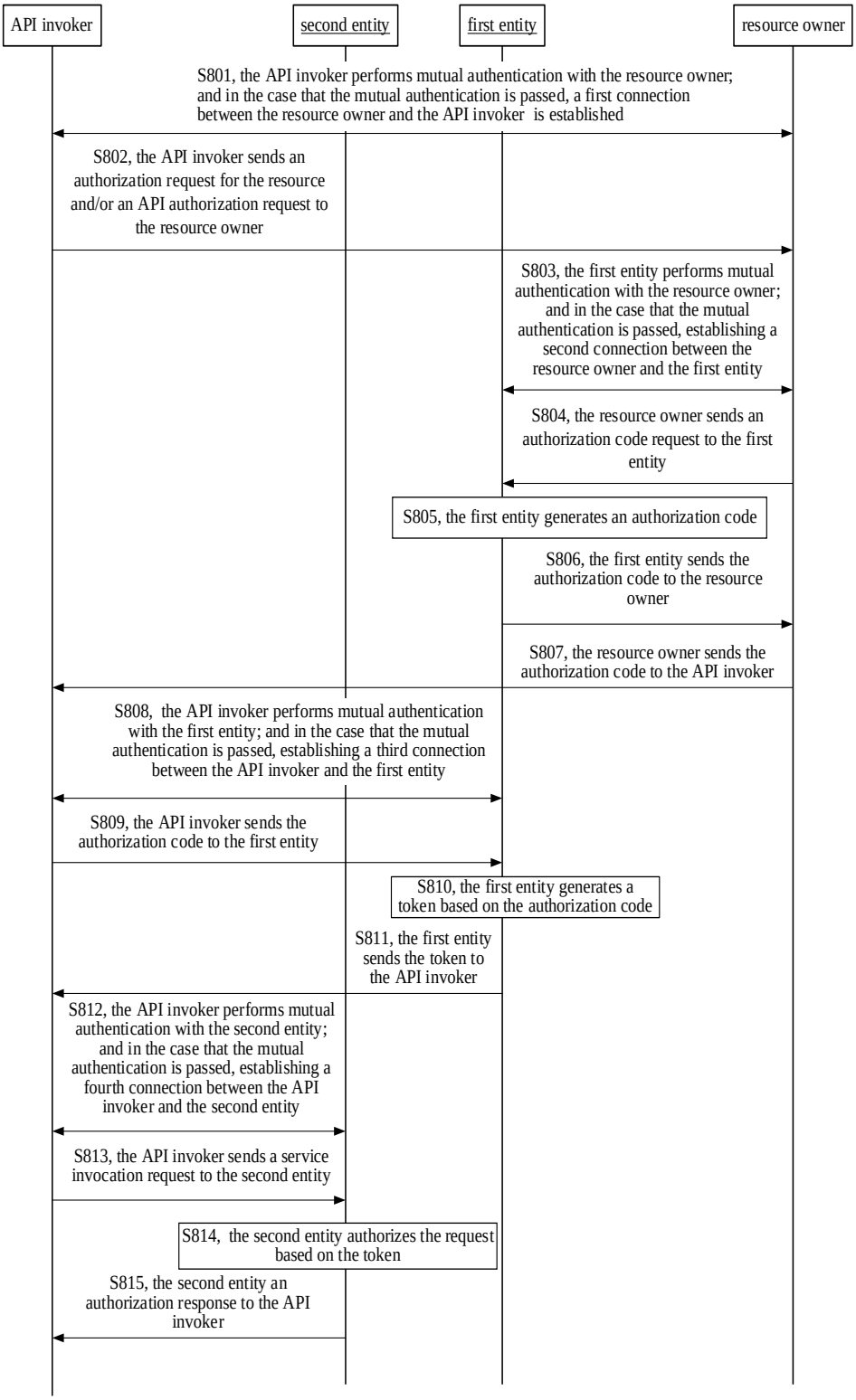

API invoker
second entity
first entity
resource owner
S801, the API invoker performs mutual authentication with the resource owner; and in the case that the mutual authentication is passed, a first connection between the resource owner and the API invoker is established
S802, the API invoker sends an authorization request for the resource and/or an API authorization request to the resource owner
S803, the first entity performs mutual authentication with the resource owner; and in the case that the mutual authentication is passed, establishing a second connection between the resource owner and the first entity
S804, the resource owner sends an authorization code request to the first entity
S805, the first entity generates an authorization code
S806, the first entity sends the authorization code to the resource owner
S807, the resource owner sends the authorization code to the API invoker
S808, the API invoker performs mutual authentication with the first entity; and in the case that the mutual authentication is passed, establishing a third connection between the API invoker and the first entity
S809, the API invoker sends the authorization code to the first entity
S810, the first entity generates a token based on the authorization code
S811, the first entity sends the token to the API invoker
S812, the API invoker performs mutual authentication with the second entity; and in the case that the mutual authentication is passed, establishing a fourth connection between the API invoker and the second entity
S813, the API invoker sends a service invocation request to the second entity
S814, the second entity authorizes the request based on the token
S815, the second entity an authorization response to the API invoker

FIG. 8