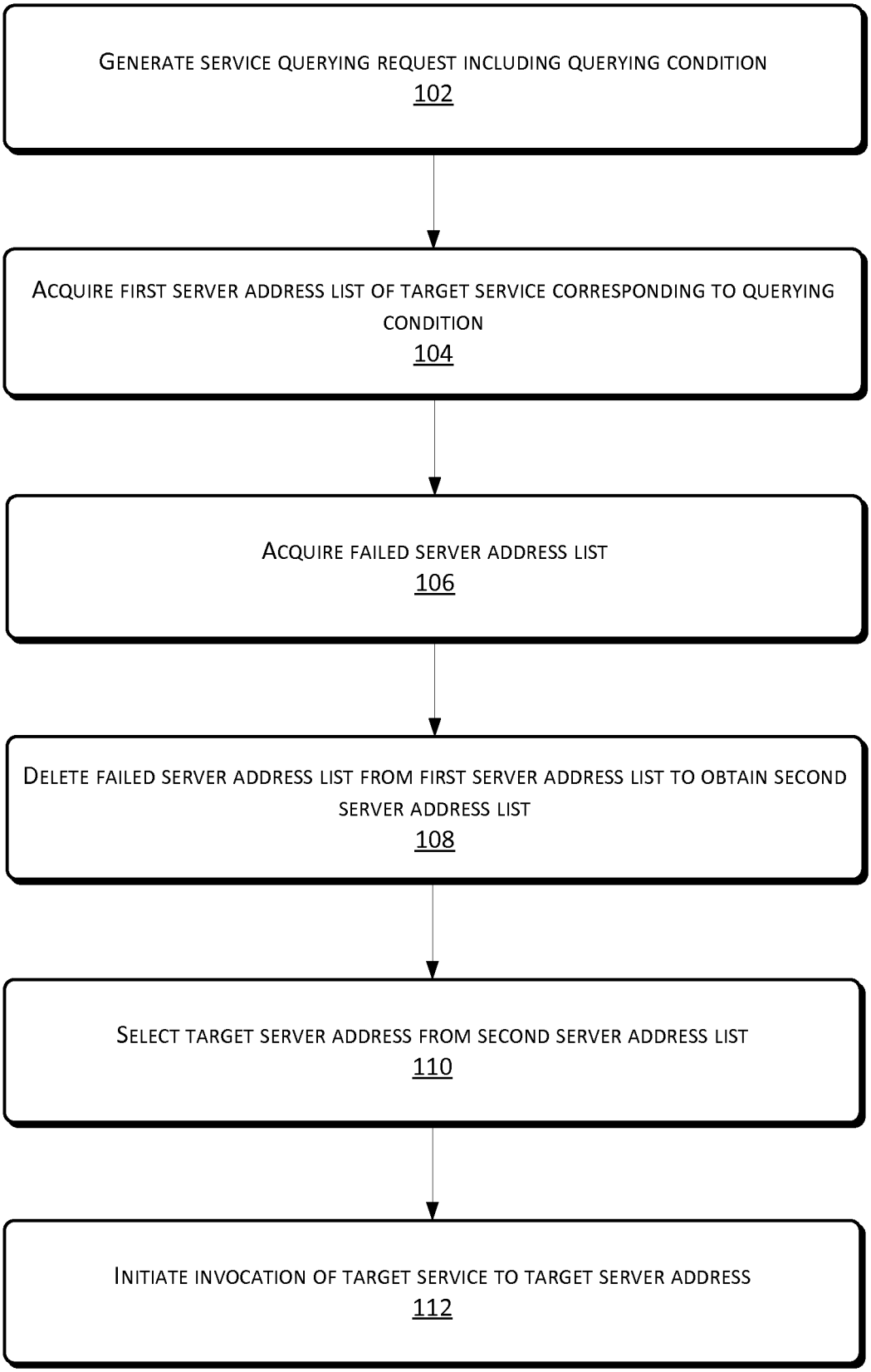
GENERATE SERVICE QUERYING REQUEST INCLUDING QUERYING CONDITION
102
ACQUIRE FIRST SERVER ADDRESS LIST OF TARGET SERVICE CORRESPONDING TO QUERYING CONDITION
104
ACQUIRE FAILED SERVER ADDRESS LIST
106
DELETE FAILED SERVER ADDRESS LIST FROM FIRST SERVER ADDRESS LIST TO OBTAIN SECOND SERVER ADDRESS LIST
108
SELECT TARGET SERVER ADDRESS FROM SECOND SERVER ADDRESS LIST
110
INITIATE INVOCATION OF TARGET SERVICE TO TARGET SERVER ADDRESS
112

FIG. 1

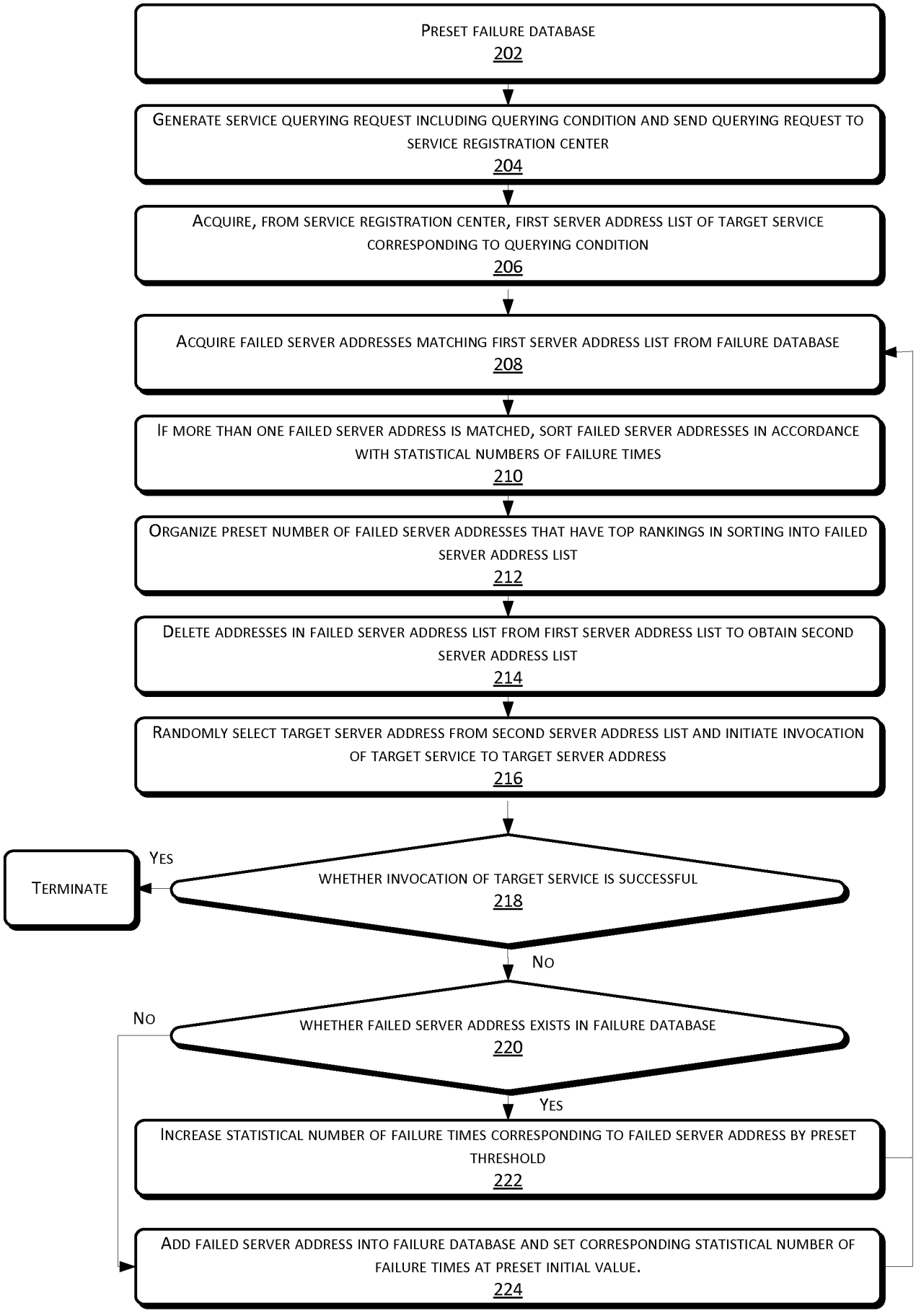
PRESET FAILURE DATABASE
202
GENERATE SERVICE QUERYING REQUEST INCLUDING QUERYING CONDITION AND SEND QUERYING REQUEST TO SERVICE REGISTRATION CENTER
204
ACQUIRE, FROM SERVICE REGISTRATION CENTER, FIRST SERVER ADDRESS LIST OF TARGET SERVICE CORRESPONDING TO QUERYING CONDITION
206
ACQUIRE FAILED SERVER ADDRESSES MATCHING FIRST SERVER ADDRESS LIST FROM FAILURE DATABASE
208
IF MORE THAN ONE FAILED SERVER ADDRESS IS MATCHED, SORT FAILED SERVER ADDRESSES IN ACCORDANCE WITH STATISTICAL NUMBERS OF FAILURE TIMES
210
ORGANIZE PRESET NUMBER OF FAILED SERVER ADDRESSES THAT HAVE TOP RANKINGS IN SORTING INTO FAILED SERVER ADDRESS LIST
212
DELETE ADDRESSES IN FAILED SERVER ADDRESS LIST FROM FIRST SERVER ADDRESS LIST TO OBTAIN SECOND SERVER ADDRESS LIST
214
RANDOMLY SELECT TARGET SERVER ADDRESS FROM SECOND SERVER ADDRESS LIST AND INITIATE INVOCATION OF TARGET SERVICE TO TARGET SERVER ADDRESS
216
WHETHER INVOCATION OF TARGET SERVICE IS SUCCESSFUL
218
YES
TERMINATE
NO
WHETHER FAILED SERVER ADDRESS EXISTS IN FAILURE DATABASE
220
NO
YES
INCREASE STATISTICAL NUMBER OF FAILURE TIMES CORRESPONDING TO FAILED SERVER ADDRESS BY PRESET THRESHOLD
222
ADD FAILED SERVER ADDRESS INTO FAILURE DATABASE AND SET CORRESPONDING STATISTICAL NUMBER OF FAILURE TIMES AT PRESET INITIAL VALUE.
224

FIG. 2

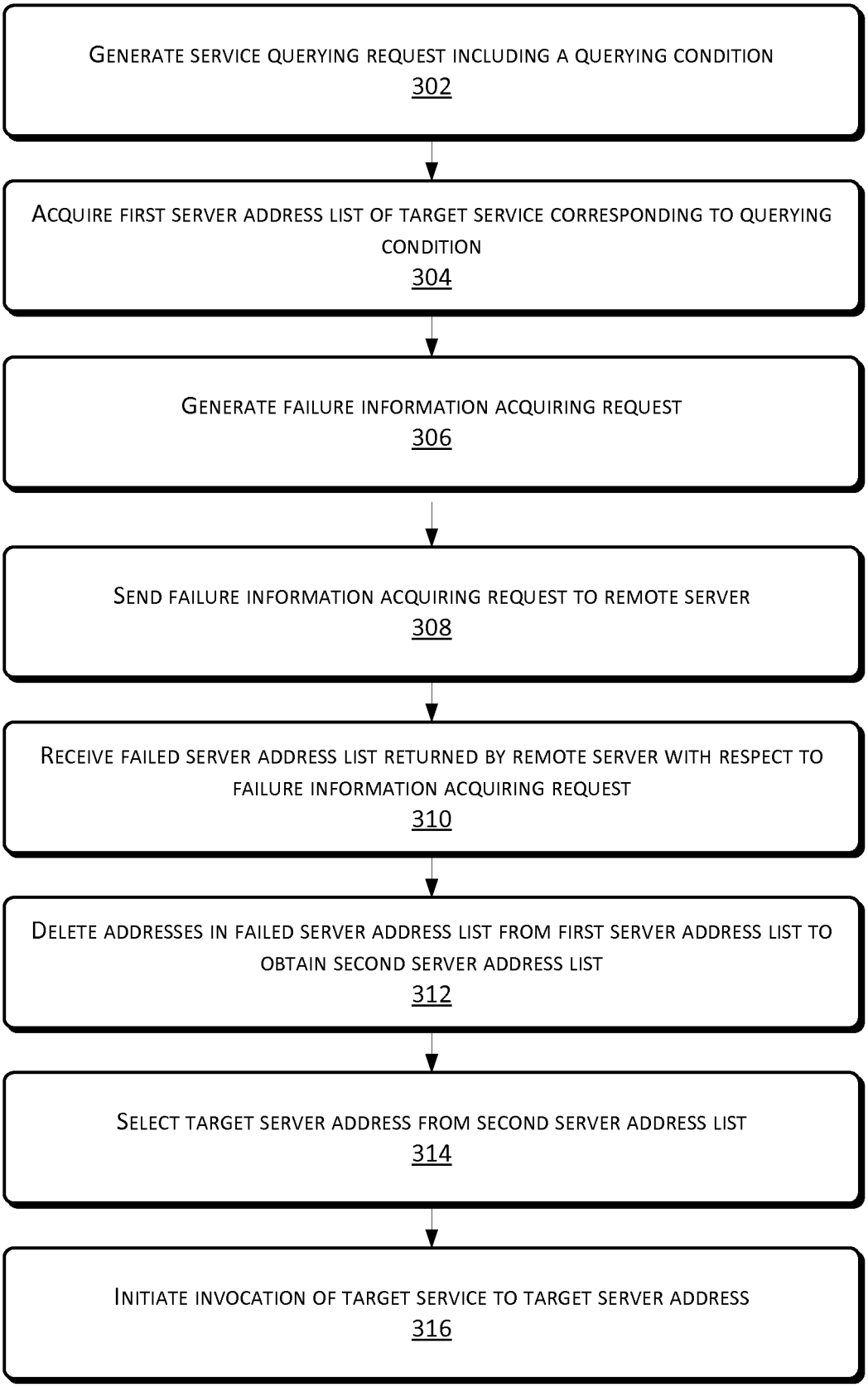
GENERATE SERVICE QUERYING REQUEST INCLUDING A QUERYING CONDITION
302
ACQUIRE FIRST SERVER ADDRESS LIST OF TARGET SERVICE CORRESPONDING TO QUERYING CONDITION
304
GENERATE FAILURE INFORMATION ACQUIRING REQUEST
306
SEND FAILURE INFORMATION ACQUIRING REQUEST TO REMOTE SERVER
308
RECEIVE FAILED SERVER ADDRESS LIST RETURNED BY REMOTE SERVER WITH RESPECT TO FAILURE INFORMATION ACQUIRING REQUEST
310
DELETE ADDRESSES IN FAILED SERVER ADDRESS LIST FROM FIRST SERVER ADDRESS LIST TO OBTAIN SECOND SERVER ADDRESS LIST
312
SELECT TARGET SERVER ADDRESS FROM SECOND SERVER ADDRESS LIST
314
INITIATE INVOCATION OF TARGET SERVICE TO TARGET SERVER ADDRESS
316

FIG. 3

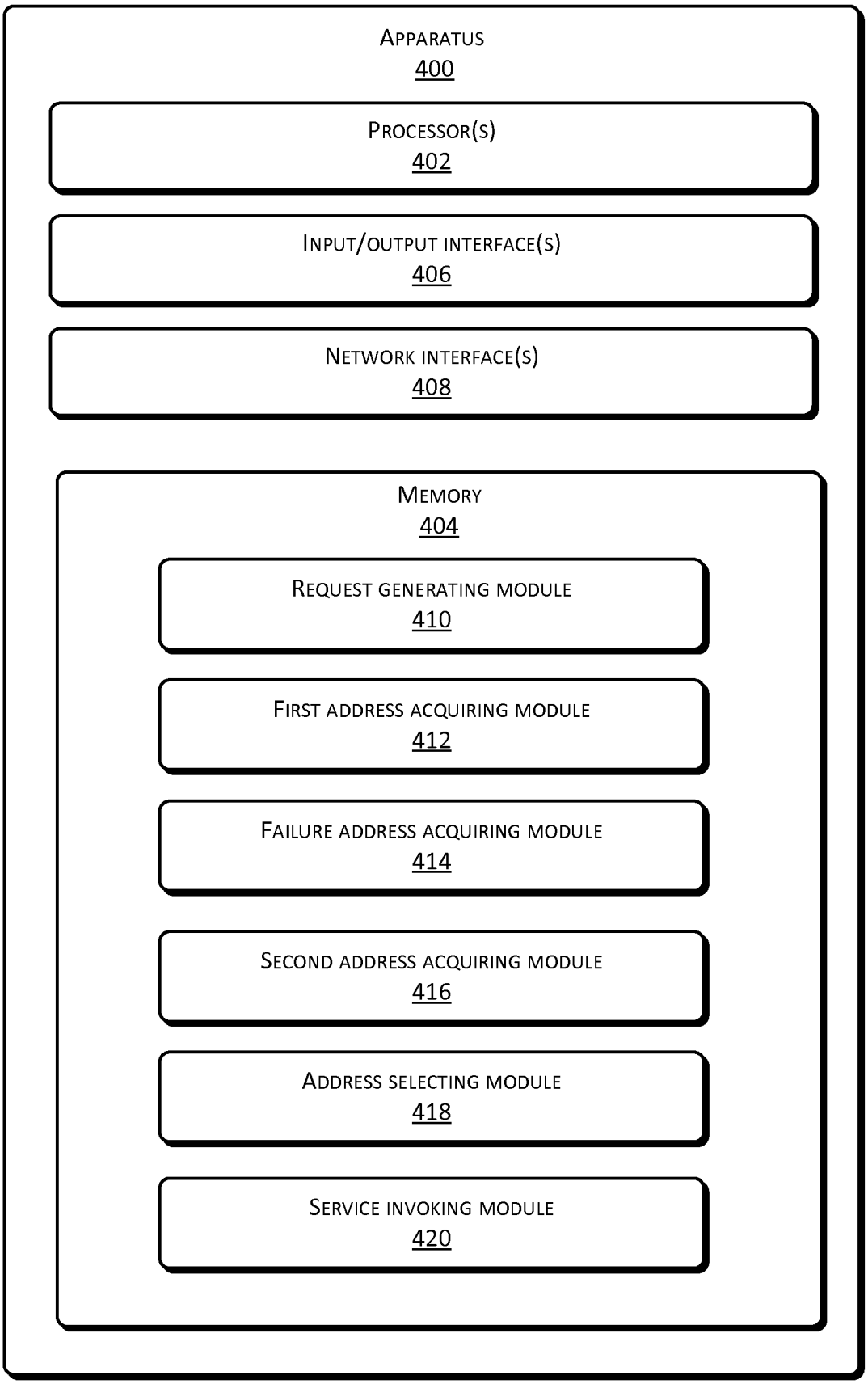
Apparatus
400
Processor(s)
402
Input/output interface(s)
406
Network interface(s)
408
Memory
404
Request generating module
410
First address acquiring module
412
Failure address acquiring module
414
Second address acquiring module
416
Address selecting module
418
Service invoking module
420

FIG. 4