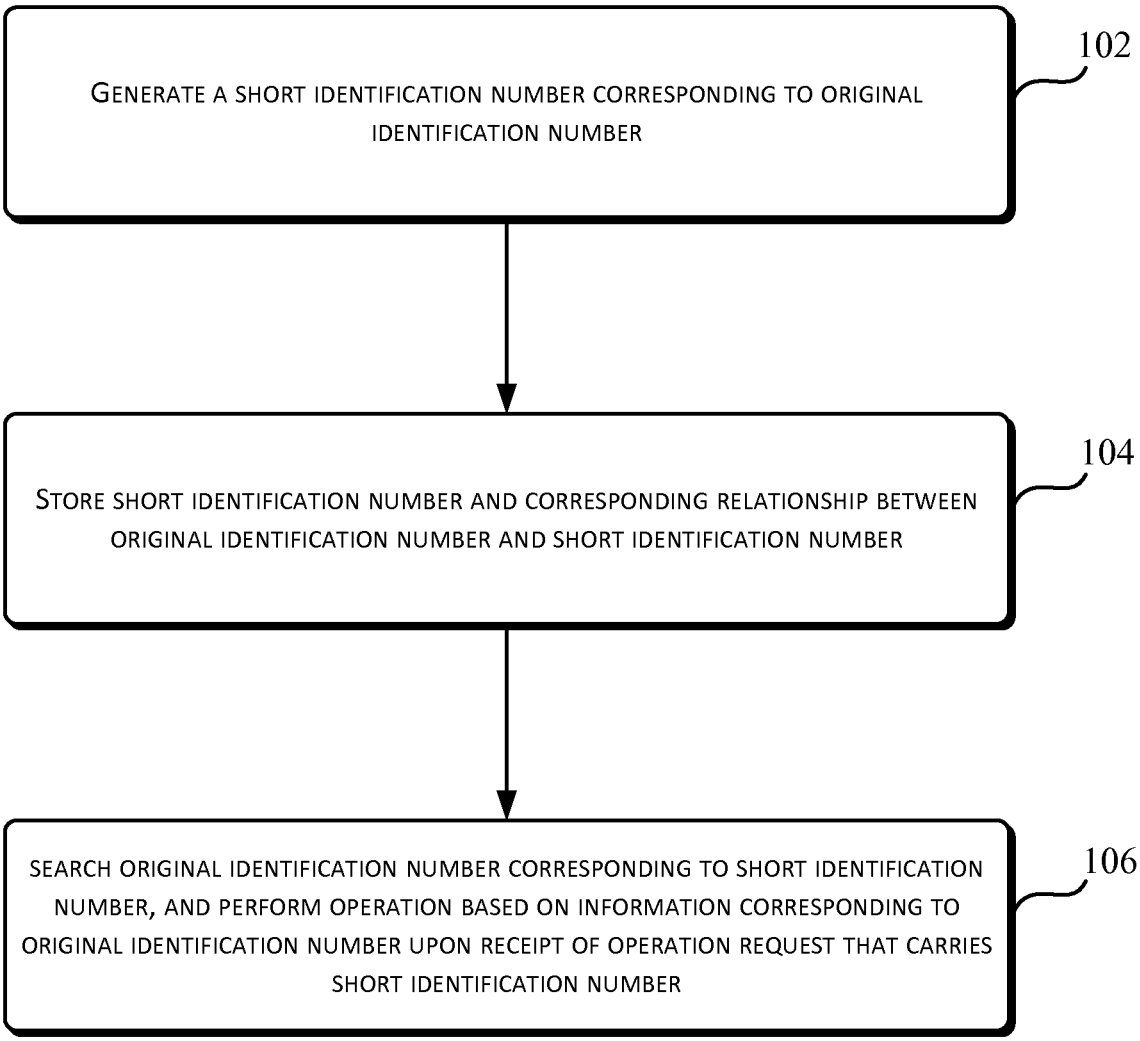

GENERATE A SHORT IDENTIFICATION NUMBER CORRESPONDING TO ORIGINAL IDENTIFICATION NUMBER
102
STORE SHORT IDENTIFICATION NUMBER AND CORRESPONDING RELATIONSHIP BETWEEN ORIGINAL IDENTIFICATION NUMBER AND SHORT IDENTIFICATION NUMBER
104
SEARCH ORIGINAL IDENTIFICATION NUMBER CORRESPONDING TO SHORT IDENTIFICATION NUMBER, AND PERFORM OPERATION BASED ON INFORMATION CORRESPONDING TO ORIGINAL IDENTIFICATION NUMBER UPON RECEIPT OF OPERATION REQUEST THAT CARRIES SHORT IDENTIFICATION NUMBER
106

FIG. 1

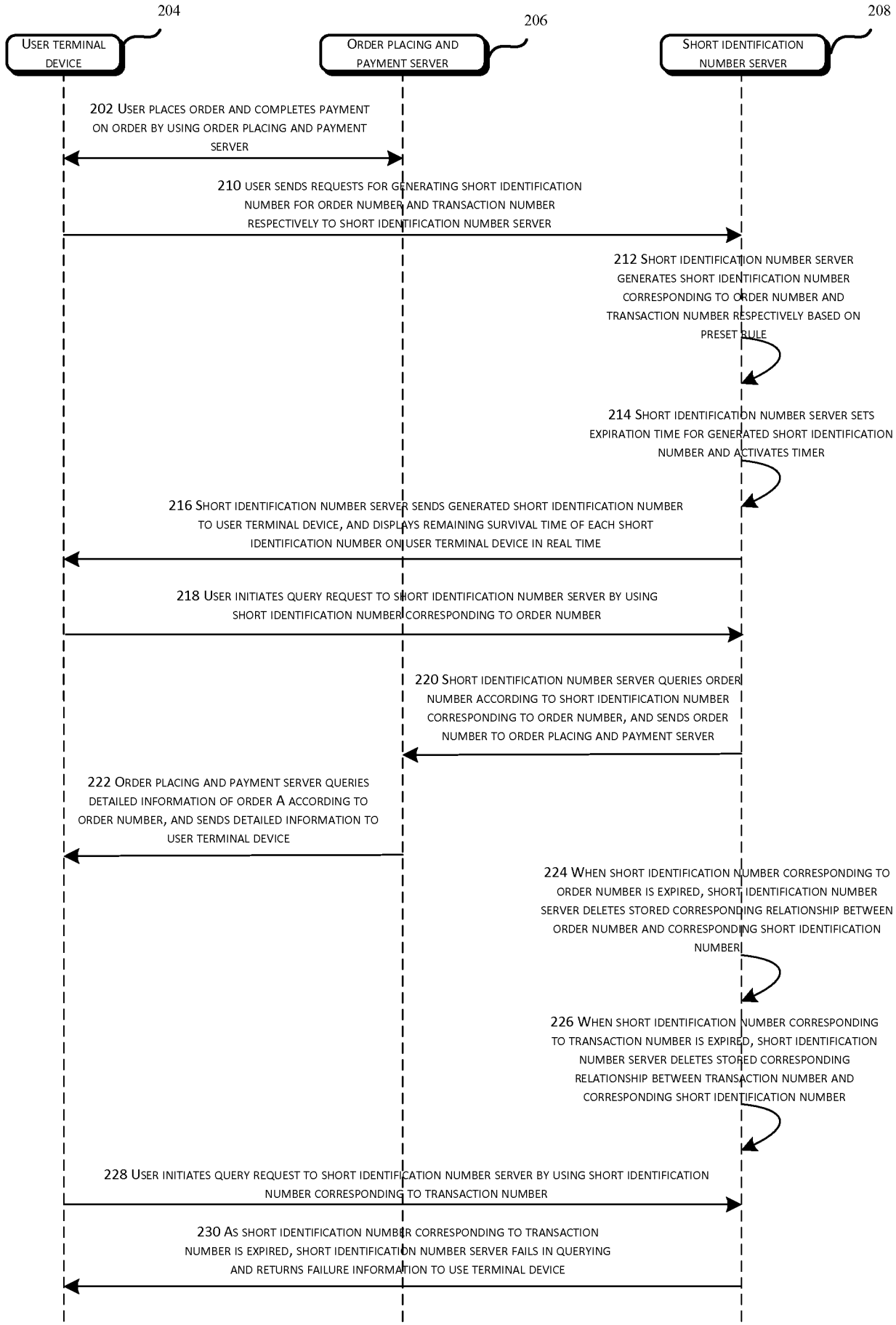

204
206
208
USER TERMINAL DEVICE
ORDER PLACING AND PAYMENT SERVER
SHORT IDENTIFICATION NUMBER SERVER
202 USER PLACES ORDER AND COMPLETES PAYMENT ON ORDER BY USING ORDER PLACING AND PAYMENT SERVER
210 USER SENDS REQUESTS FOR GENERATING SHORT IDENTIFICATION NUMBER FOR ORDER NUMBER AND TRANSACTION NUMBER RESPECTIVELY TO SHORT IDENTIFICATION NUMBER SERVER
212 SHORT IDENTIFICATION NUMBER SERVER GENERATES SHORT IDENTIFICATION NUMBER CORRESPONDING TO ORDER NUMBER AND TRANSACTION NUMBER RESPECTIVELY BASED ON PRESET RULE
214 SHORT IDENTIFICATION NUMBER SERVER SETS EXPIRATION TIME FOR GENERATED SHORT IDENTIFICATION NUMBER AND ACTIVATES TIMER
216 SHORT IDENTIFICATION NUMBER SERVER SENDS GENERATED SHORT IDENTIFICATION NUMBER TO USER TERMINAL DEVICE, AND DISPLAYS REMAINING SURVIVAL TIME OF EACH SHORT IDENTIFICATION NUMBER ON USER TERMINAL DEVICE IN REAL TIME
218 USER INITIATES QUERY REQUEST TO SHORT IDENTIFICATION NUMBER SERVER BY USING SHORT IDENTIFICATION NUMBER CORRESPONDING TO ORDER NUMBER
220 SHORT IDENTIFICATION NUMBER SERVER QUERIES ORDER NUMBER ACCORDING TO SHORT IDENTIFICATION NUMBER CORRESPONDING TO ORDER NUMBER, AND SENDS ORDER NUMBER TO ORDER PLACING AND PAYMENT SERVER
222 ORDER PLACING AND PAYMENT SERVER QUERIES DETAILED INFORMATION OF ORDER A ACCORDING TO ORDER NUMBER, AND SENDS DETAILED INFORMATION TO USER TERMINAL DEVICE
224 WHEN SHORT IDENTIFICATION NUMBER CORRESPONDING TO ORDER NUMBER IS EXPIRED, SHORT IDENTIFICATION NUMBER SERVER DELETES STORED CORRESPONDING RELATIONSHIP BETWEEN ORDER NUMBER AND CORRESPONDING SHORT IDENTIFICATION NUMBER
226 WHEN SHORT IDENTIFICATION NUMBER CORRESPONDING TO TRANSACTION NUMBER IS EXPIRED, SHORT IDENTIFICATION NUMBER SERVER DELETES STORED CORRESPONDING RELATIONSHIP BETWEEN TRANSACTION NUMBER AND CORRESPONDING SHORT IDENTIFICATION NUMBER
228 USER INITIATES QUERY REQUEST TO SHORT IDENTIFICATION NUMBER SERVER BY USING SHORT IDENTIFICATION NUMBER CORRESPONDING TO TRANSACTION NUMBER
230 AS SHORT IDENTIFICATION NUMBER CORRESPONDING TO TRANSACTION NUMBER IS EXPIRED, SHORT IDENTIFICATION NUMBER SERVER FAILS IN QUERYING AND RETURNS FAILURE INFORMATION TO USE TERMINAL DEVICE

FIG. 2

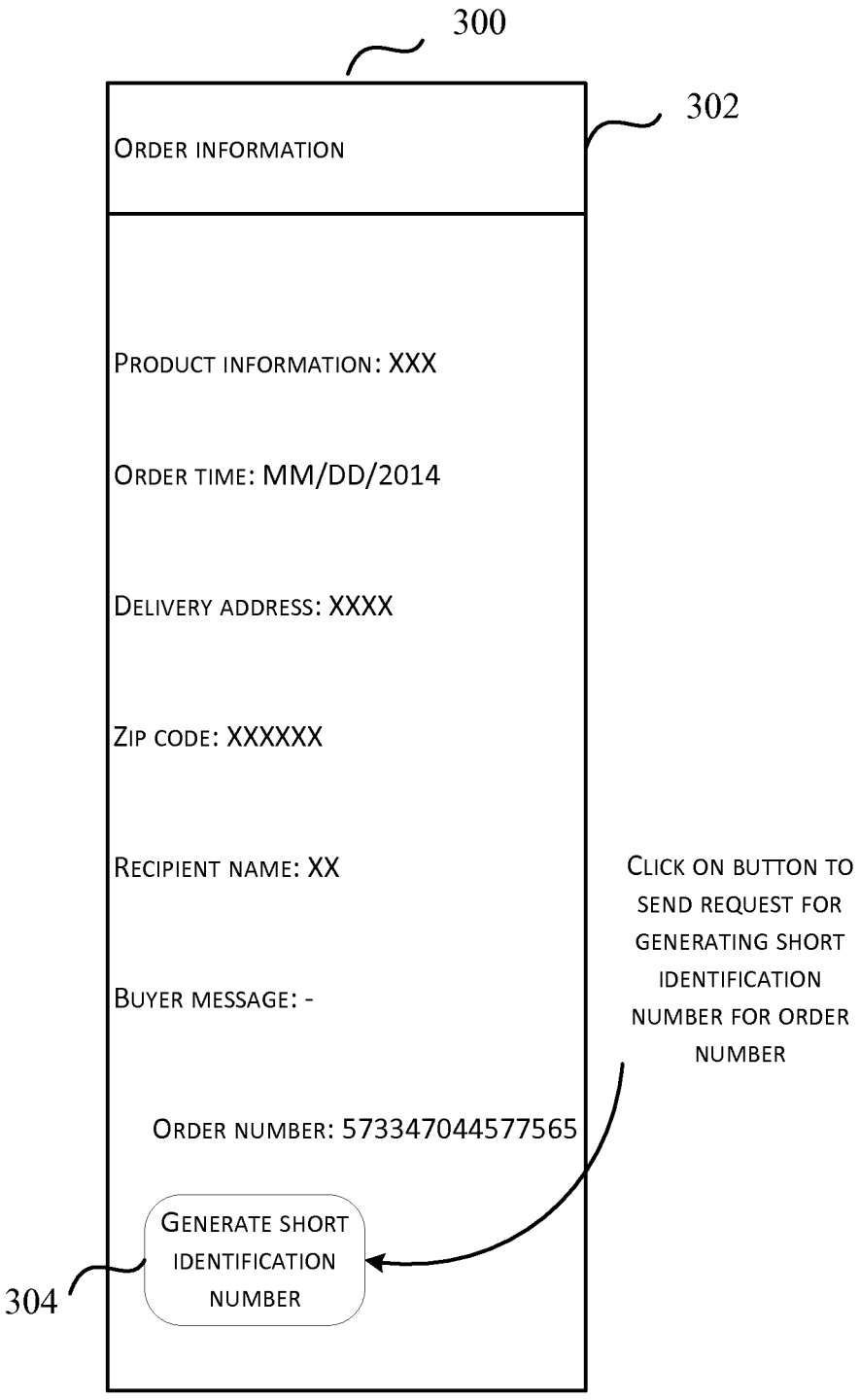

300
302
ORDER INFORMATION
PRODUCT INFORMATION: XXX
ORDER TIME: MM/DD/2014
DELIVERY ADDRESS: XXXX
ZIP CODE: XXXXXX
RECIPIENT NAME: XX
BUYER MESSAGE: -
ORDER NUMBER: 573347044577565
GENERATE SHORT IDENTIFICATION NUMBER
304
CLICK ON BUTTON TO SEND REQUEST FOR GENERATING SHORT IDENTIFICATION NUMBER FOR ORDER NUMBER

FIG. 3

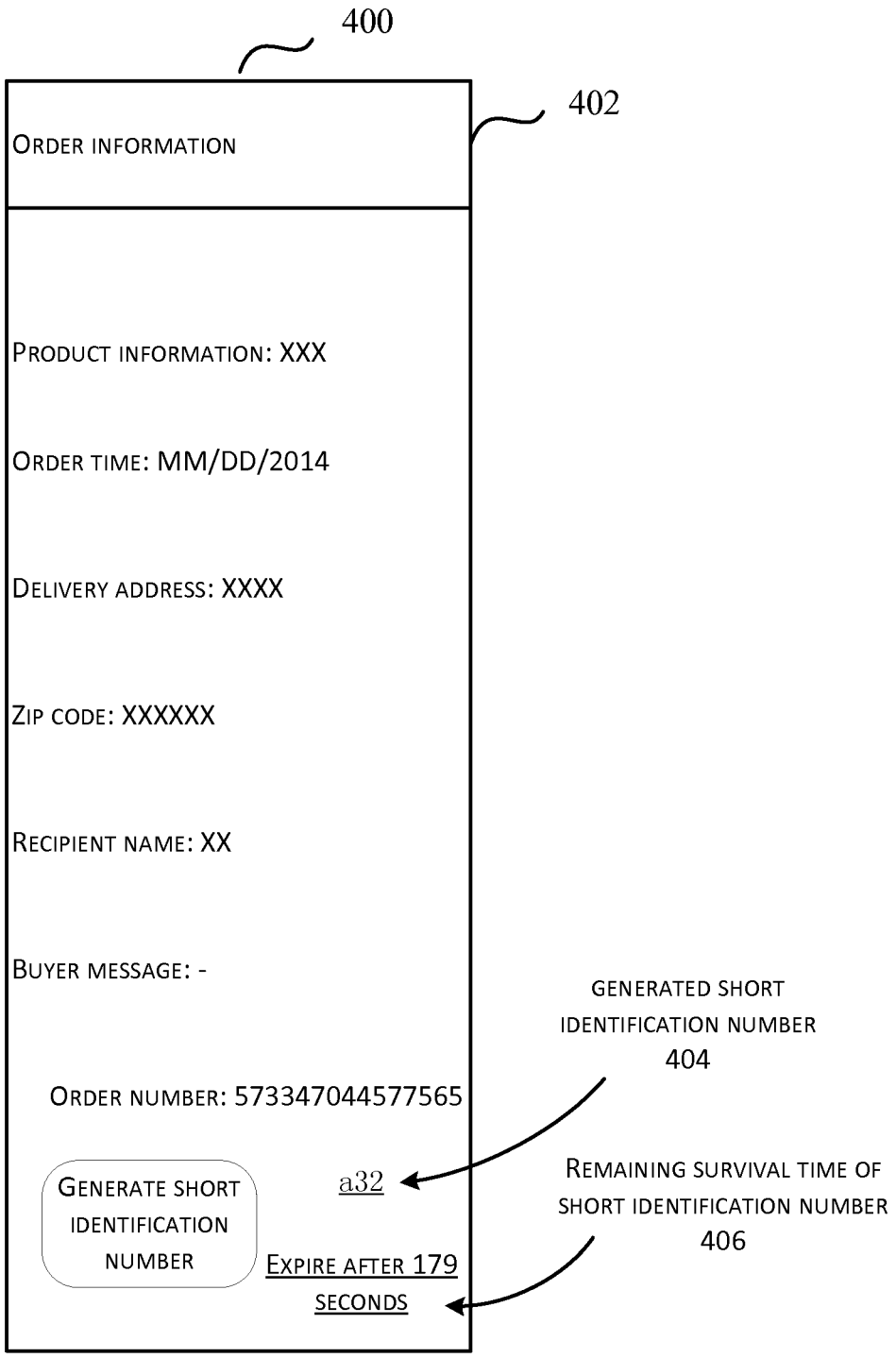

400
402
ORDER INFORMATION
PRODUCT INFORMATION: XXX
ORDER TIME: MM/DD/2014
DELIVERY ADDRESS: XXXX
ZIP CODE: XXXXXX
RECIPIENT NAME: XX
BUYER MESSAGE: -
ORDER NUMBER: 573347044577565
GENERATE SHORT IDENTIFICATION NUMBER
a32
EXPIRE AFTER 179 SECONDS
GENERATED SHORT IDENTIFICATION NUMBER
404
REMAINING SURVIVAL TIME OF SHORT IDENTIFICATION NUMBER
406

FIG. 4

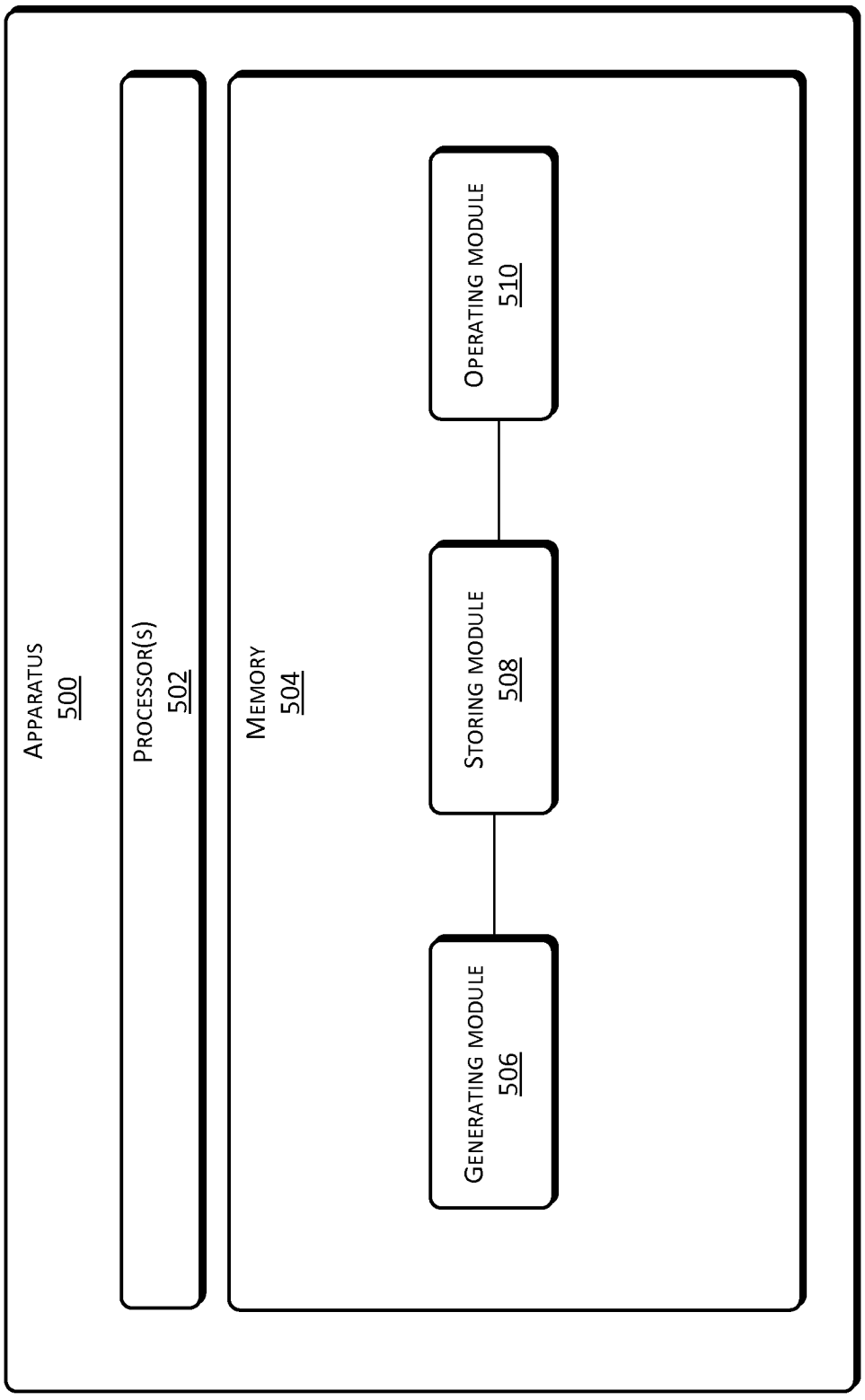

APPARATUS
500
PROCESSOR(S)
502
MEMORY
504
OPERATING MODULE
510
STORING MODULE
508
GENERATING MODULE
506

FIG. 5