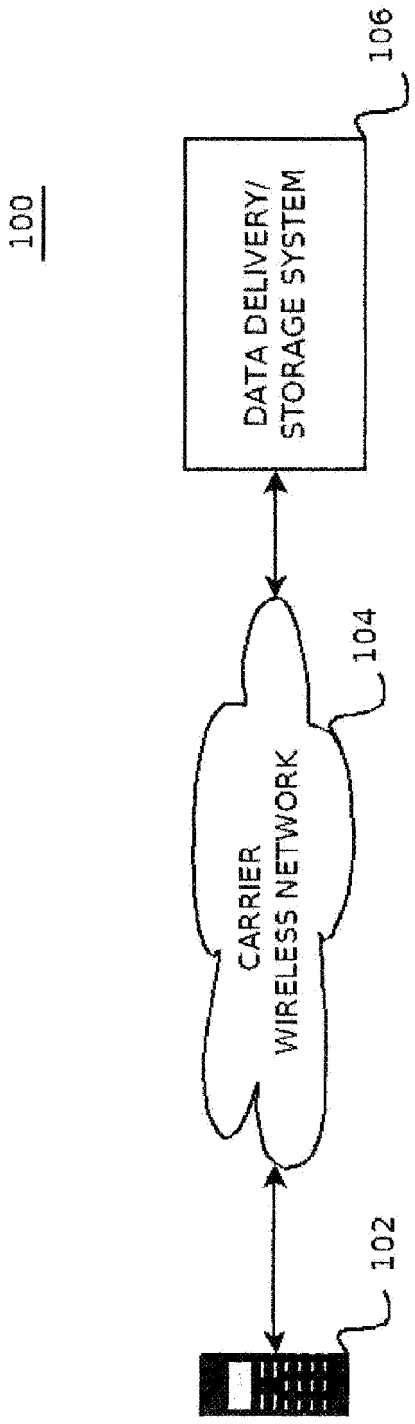
100
106
DATA DELIVERY/
STORAGE SYSTEM
104
CARRIER
WIRELESS NETWORK
102

FIG. 1

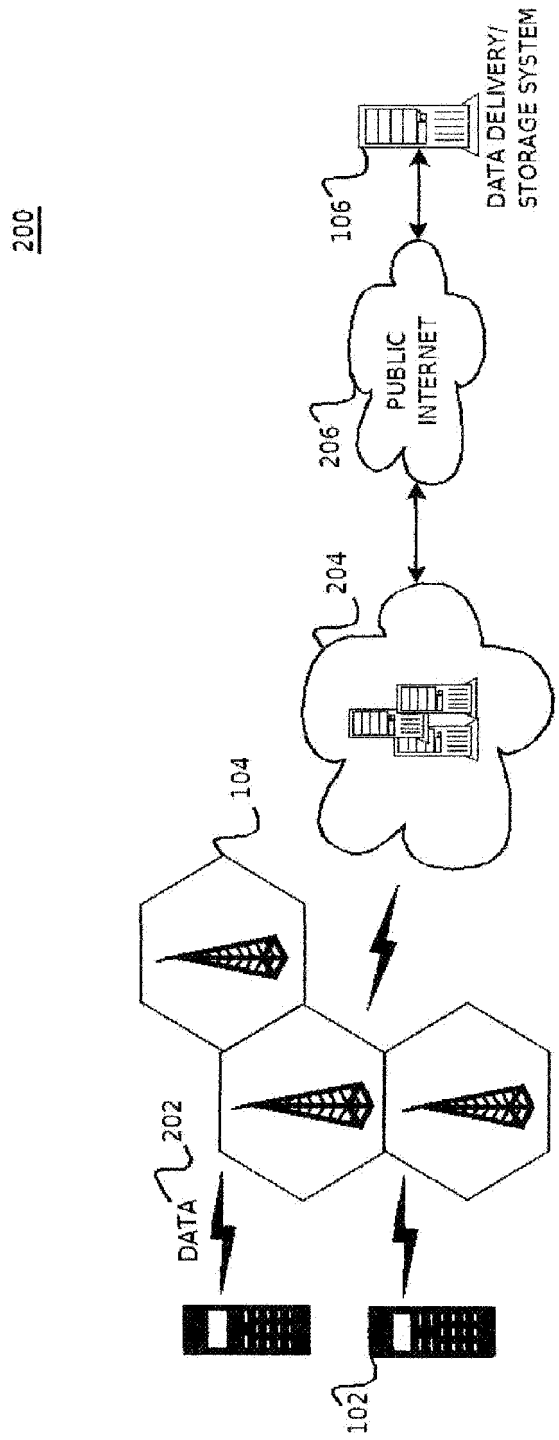
200
DATA DELIVERY/ STORAGE SYSTEM
106
PUBLIC INTERNET
206
204
GATEWAYS
104
CARRIER WIRELESS NETWORK
202
DATA
102

FIG. 2

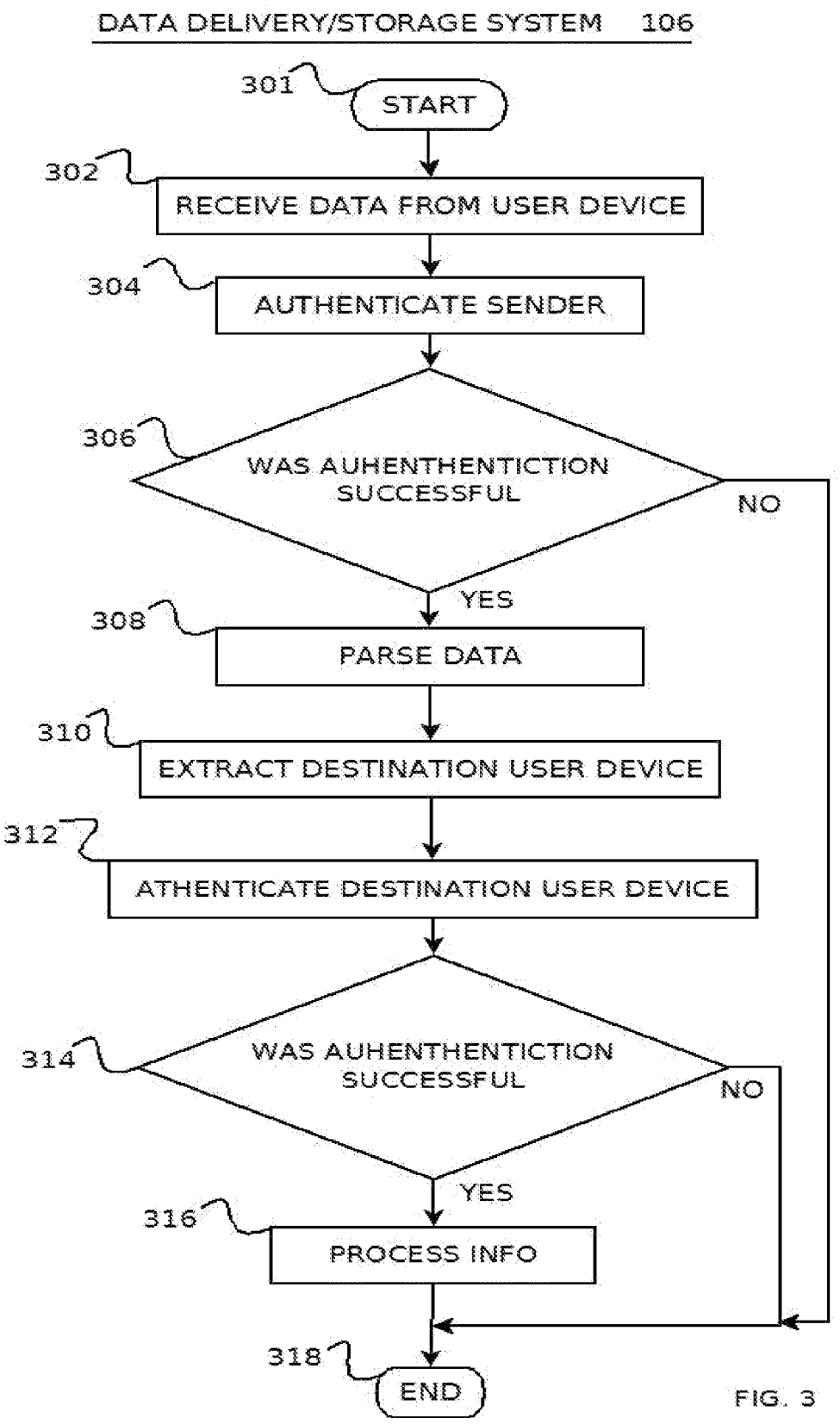
DATA DELIVERY/STORAGE SYSTEM 106
300
301
START
302
RECEIVE DATA FROM USER DEVICE
304
AUTHENTICATE SENDER
306
WAS AUHENTHENTICTION SUCCESSFUL
NO
YES
308
PARSE DATA
310
EXTRACT DESTINATION USER DEVICE
312
ATHENTICATE DESTINATION USER DEVICE
314
WAS AUHENTHENTICTION SUCCESSFUL
NO
YES
316
PROCESS INFO
318
END

FIG. 3

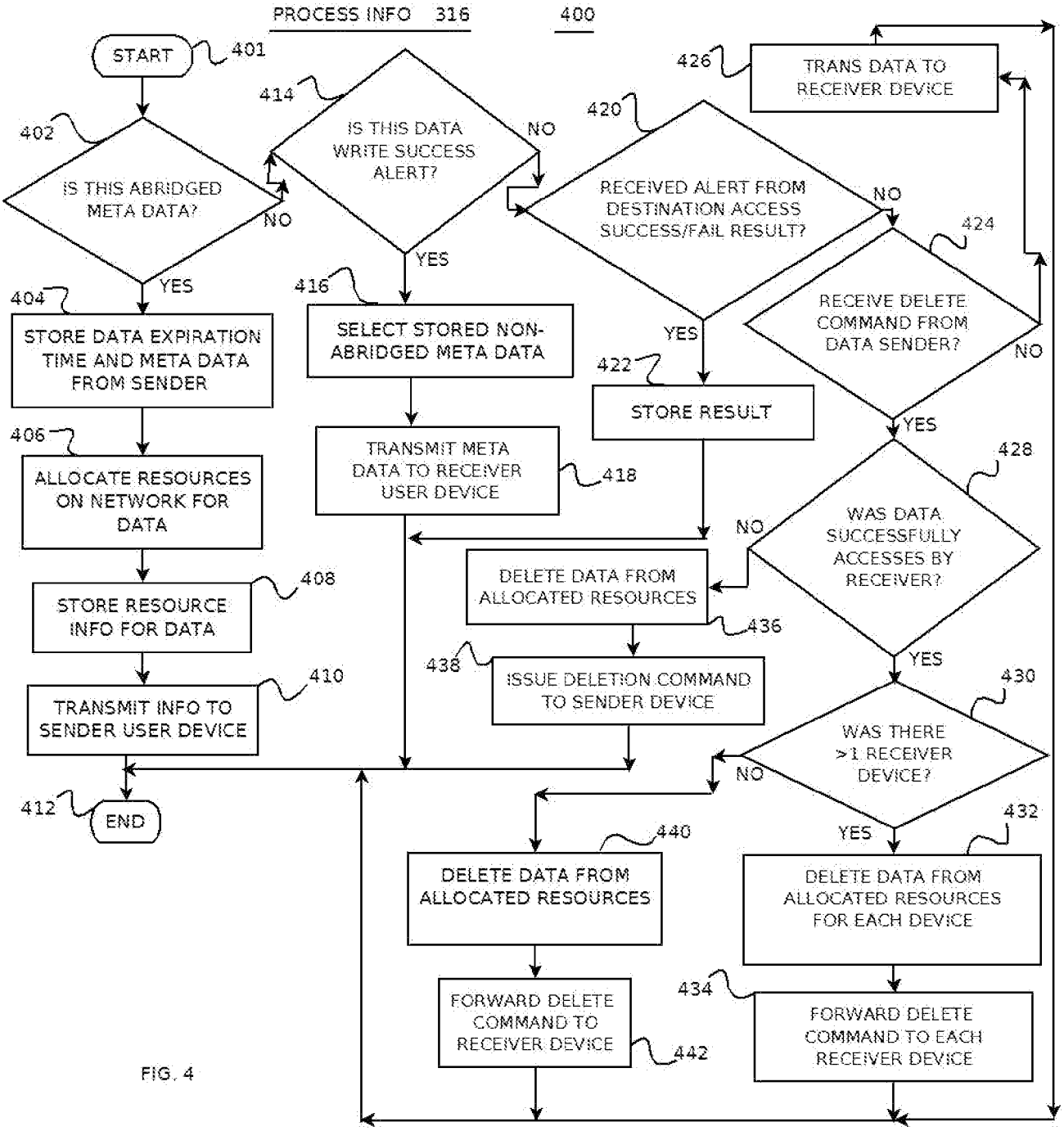
PROCESS INFO 316
400
START
401
402
IS THIS ABRIDGED META DATA?
NO
YES
404
STORE DATA EXPIRATION TIME AND META DATA FROM SENDER
406
ALLOCATE RESOURCES ON NETWORK FOR DATA
408
STORE RESOURCE INFO FOR DATA
410
TRANSMIT INFO TO SENDER USER DEVICE
412
END
414
IS THIS DATA WRITE SUCCESS ALERT?
NO
YES
416
SELECT STORED NON-ABRIDGED META DATA
418
TRANSMIT META DATA TO RECEIVER USER DEVICE
420
RECEIVED ALERT FROM DESTINATION ACCESS SUCCESS/FAIL RESULT?
NO
YES
422
STORE RESULT
424
RECEIVE DELETE COMMAND FROM DATA SENDER?
NO
YES
426
TRANS DATA TO RECEIVER DEVICE
428
WAS DATA SUCCESSFULLY ACCESSES BY RECEIVER?
NO
YES
430
WAS THERE >1 RECEIVER DEVICE?
NO
YES
432
DELETE DATA FROM ALLOCATED RESOURCES FOR EACH DEVICE
434
FORWARD DELETE COMMAND TO EACH RECEIVER DEVICE
436
DELETE DATA FROM ALLOCATED RESOURCES
438
ISSUE DELETION COMMAND TO SENDER DEVICE
440
DELETE DATA FROM ALLOCATED RESOURCES
442
FORWARD DELETE COMMAND TO RECEIVER DEVICE

FIG. 4

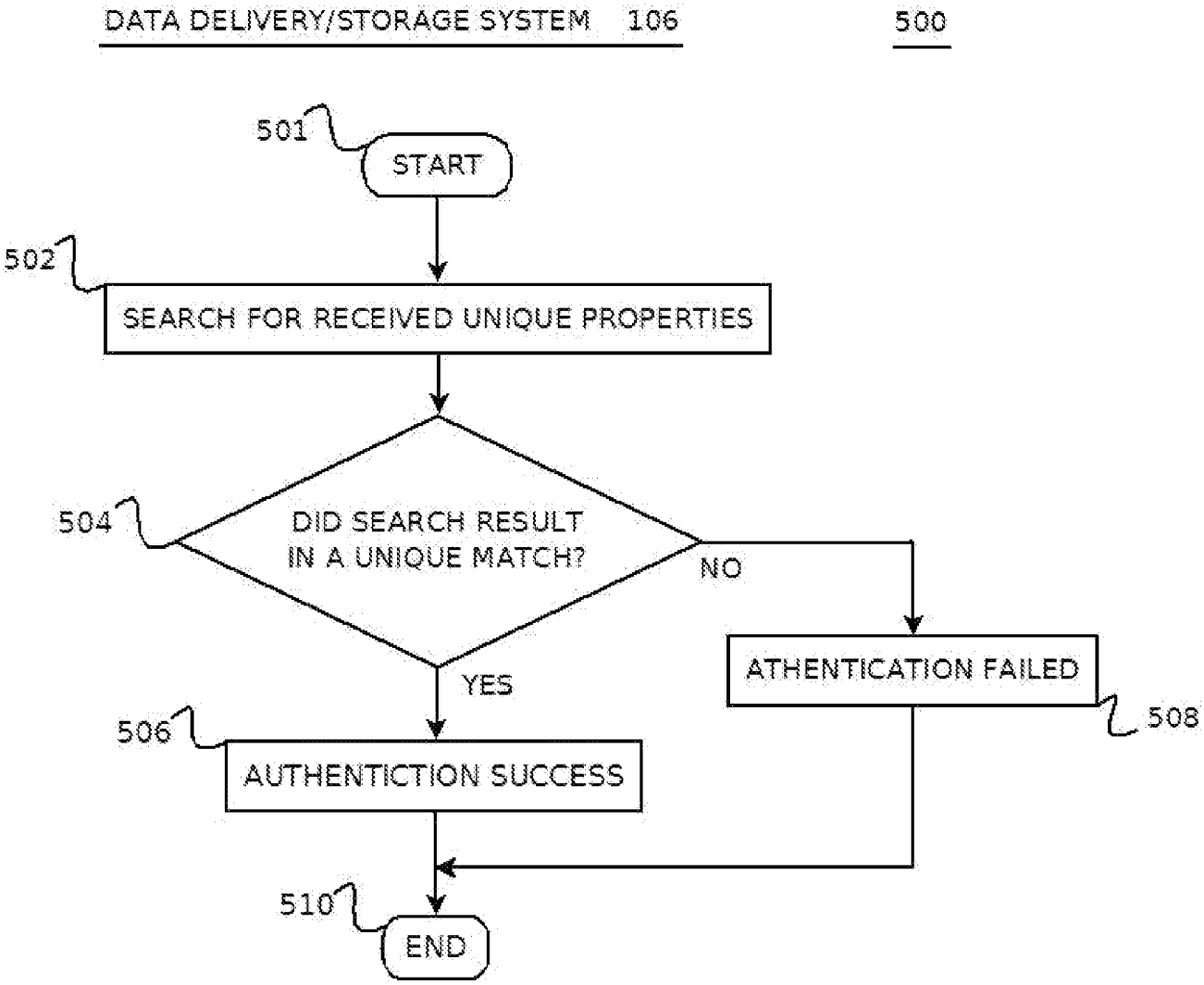
DATA DELIVERY/STORAGE SYSTEM 106
500
501
START
502
SEARCH FOR RECEIVED UNIQUE PROPERTIES
504
DID SEARCH RESULT IN A UNIQUE MATCH?
NO
YES
ATHENTICATION FAILED
508
506
AUTHENTICTION SUCCESS
510
END

FIG 5

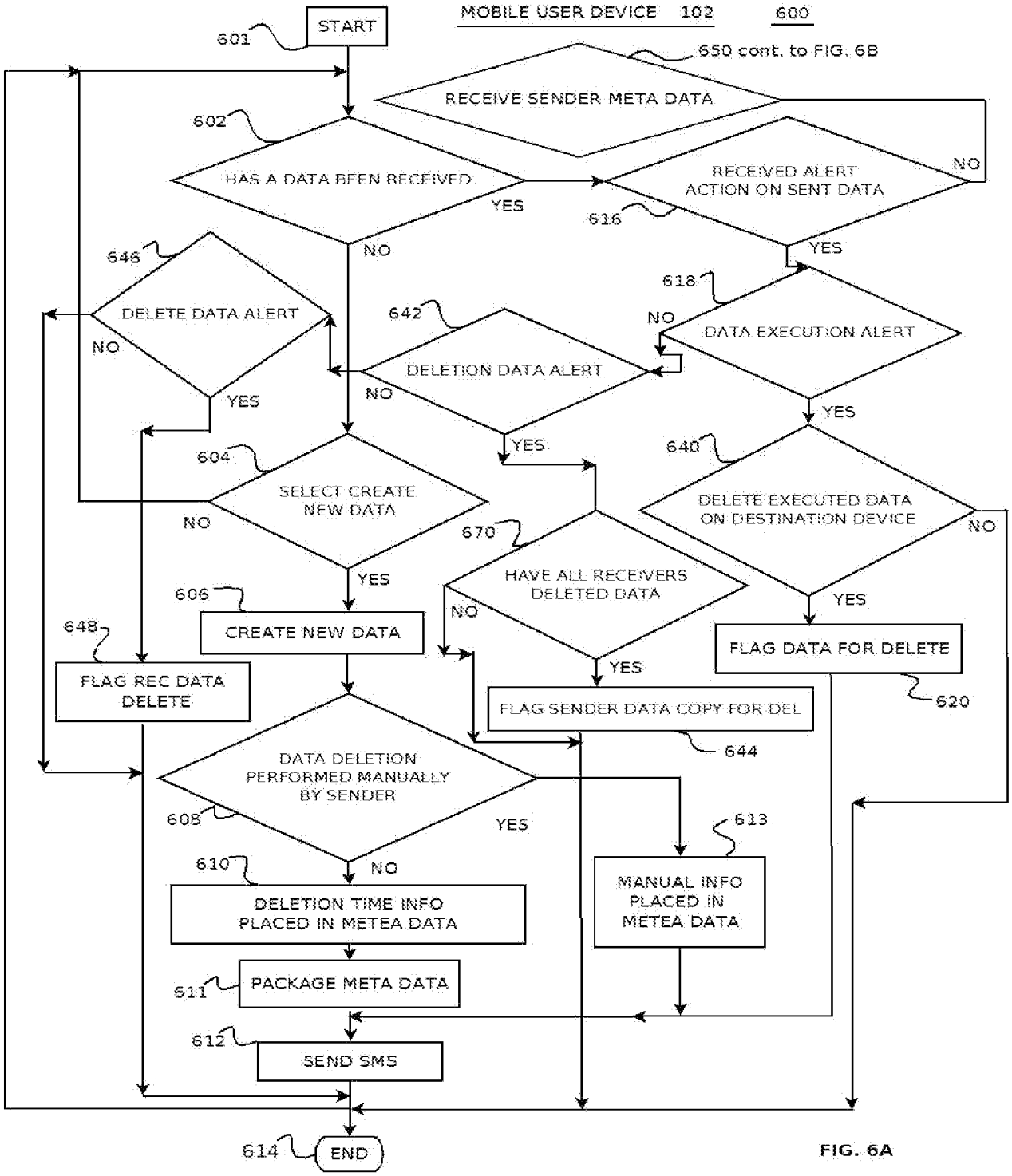
MOBILE USER DEVICE 102
600
START
601
650 cont. to FIG. 6B
RECEIVE SENDER META DATA
602
HAS A DATA BEEN RECEIVED
YES
NO
RECEIVED ALERT ACTION ON SENT DATA
NO
YES
616
646
DELETE DATA ALERT
NO
YES
642
DELETION DATA ALERT
NO
YES
618
DATA EXECUTION ALERT
NO
YES
604
SELECT CREATE NEW DATA
NO
YES
640
DELETE EXECUTED DATA ON DESTINATION DEVICE
NO
YES
670
HAVE ALL RECEIVERS DELETED DATA
NO
YES
606
CREATE NEW DATA
648
FLAG REC DATA DELETE
FLAG DATA FOR DELETE
620
FLAG SENDER DATA COPY FOR DEL
644
DATA DELETION PERFORMED MANUALLY BY SENDER
608
YES
NO
613
610
DELETION TIME INFO PLACED IN METEA DATA
MANUAL INFO PLACED IN METEA DATA
611
PACKAGE META DATA
612
SEND SMS
614
END

FIG. 6A

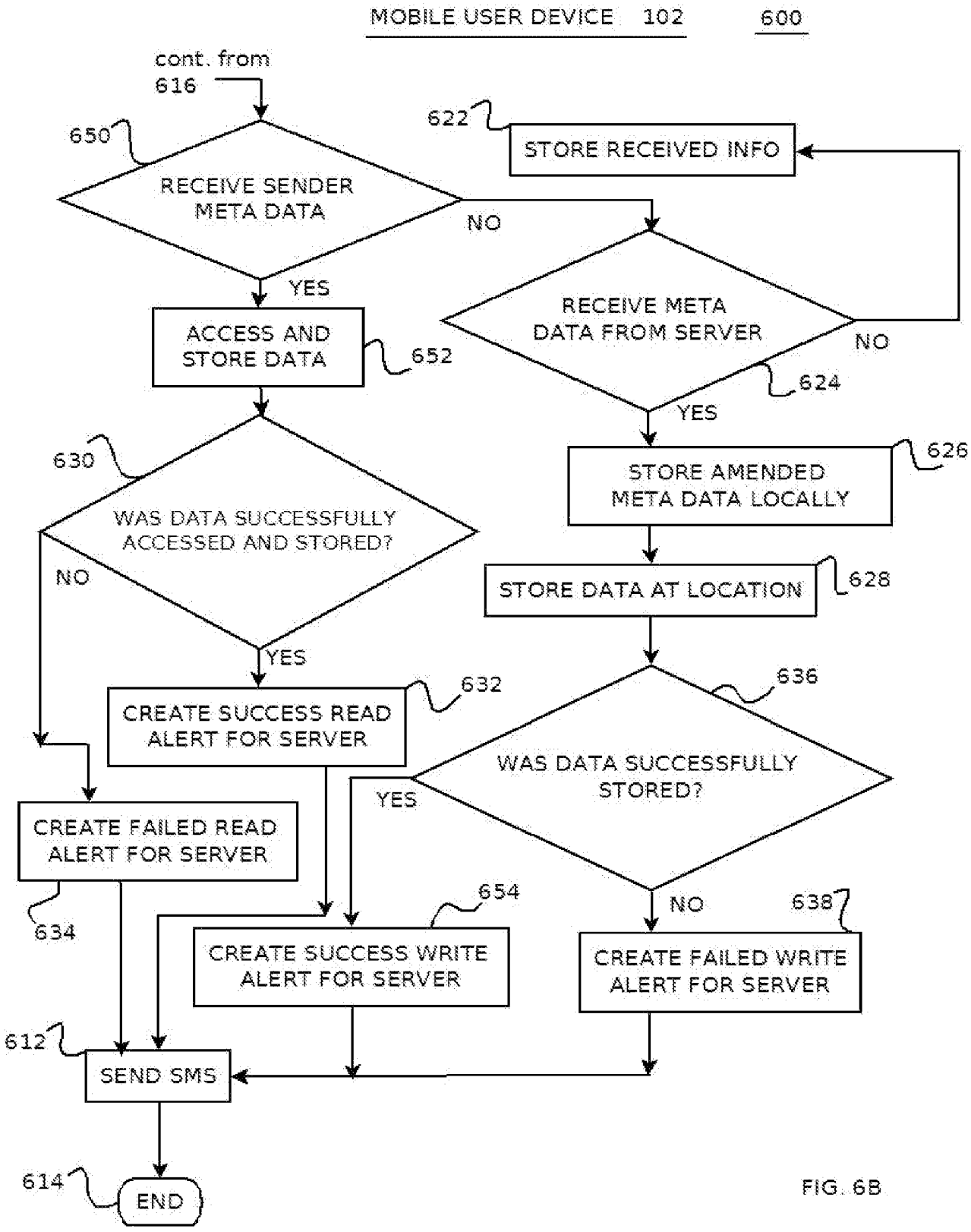
MOBILE USER DEVICE 102
600
cont. from 616
650
RECEIVE SENDER META DATA
NO
YES
622
STORE RECEIVED INFO
ACCESS AND STORE DATA
652
RECEIVE META DATA FROM SERVER
NO
624
YES
626
STORE AMENDED META DATA LOCALLY
630
WAS DATA SUCCESSFULLY ACCESSED AND STORED?
NO
YES
628
STORE DATA AT LOCATION
632
CREATE SUCCESS READ ALERT FOR SERVER
636
WAS DATA SUCCESSFULLY STORED?
YES
CREATE FAILED READ ALERT FOR SERVER
634
654
CREATE SUCCESS WRITE ALERT FOR SERVER
NO
638
CREATE FAILED WRITE ALERT FOR SERVER
612
SEND SMS
614
END

FIG. 6B

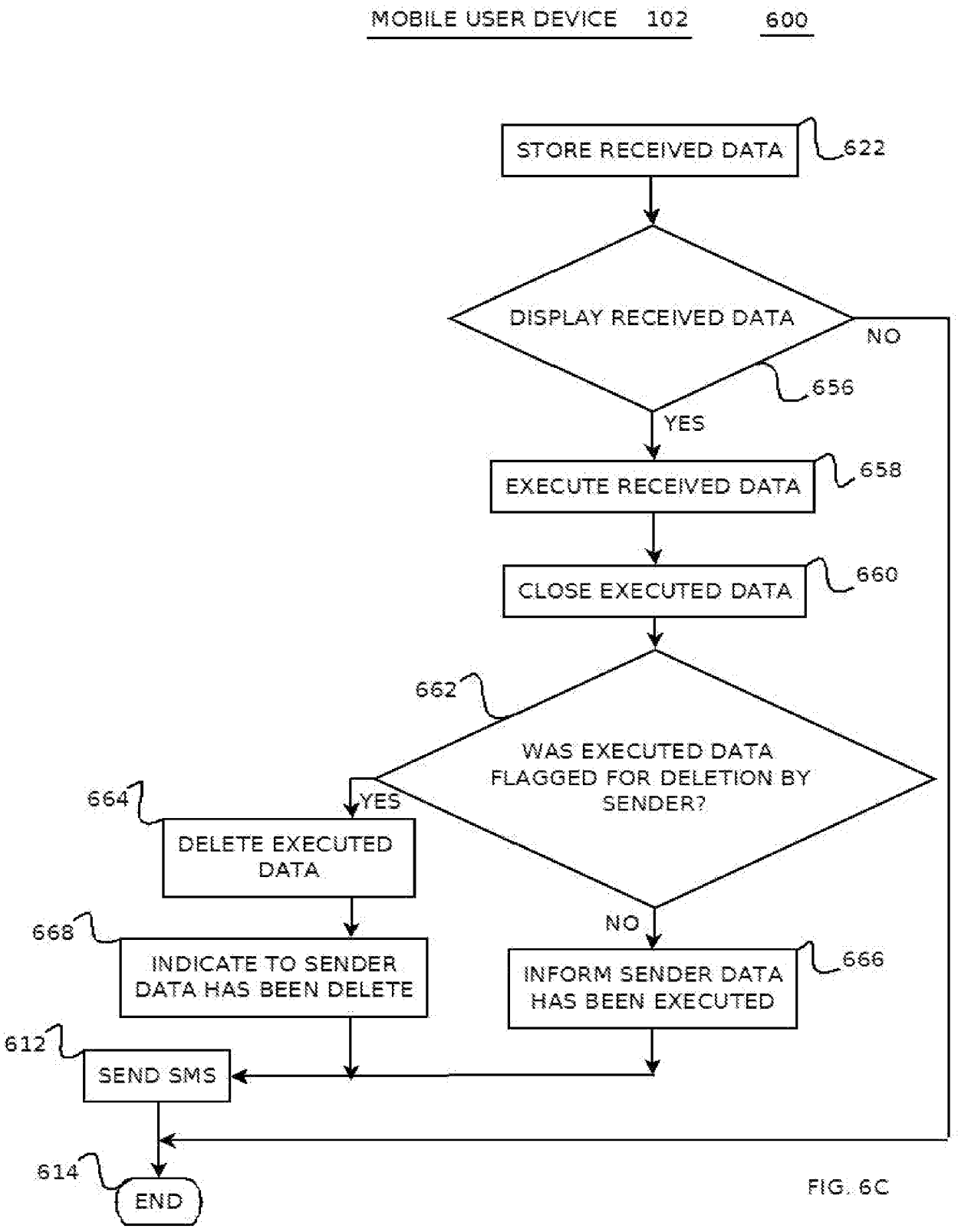
MOBILE USER DEVICE 102
600
STORE RECEIVED DATA
622
DISPLAY RECEIVED DATA
NO
656
YES
EXECUTE RECEIVED DATA
658
CLOSE EXECUTED DATA
660
662
WAS EXECUTED DATA FLAGGED FOR DELETION BY SENDER?
YES
664
DELETE EXECUTED DATA
NO
668
INDICATE TO SENDER DATA HAS BEEN DELETE
INFORM SENDER DATA HAS BEEN EXECUTED
666
612
SEND SMS
614
END

FIG. 6C

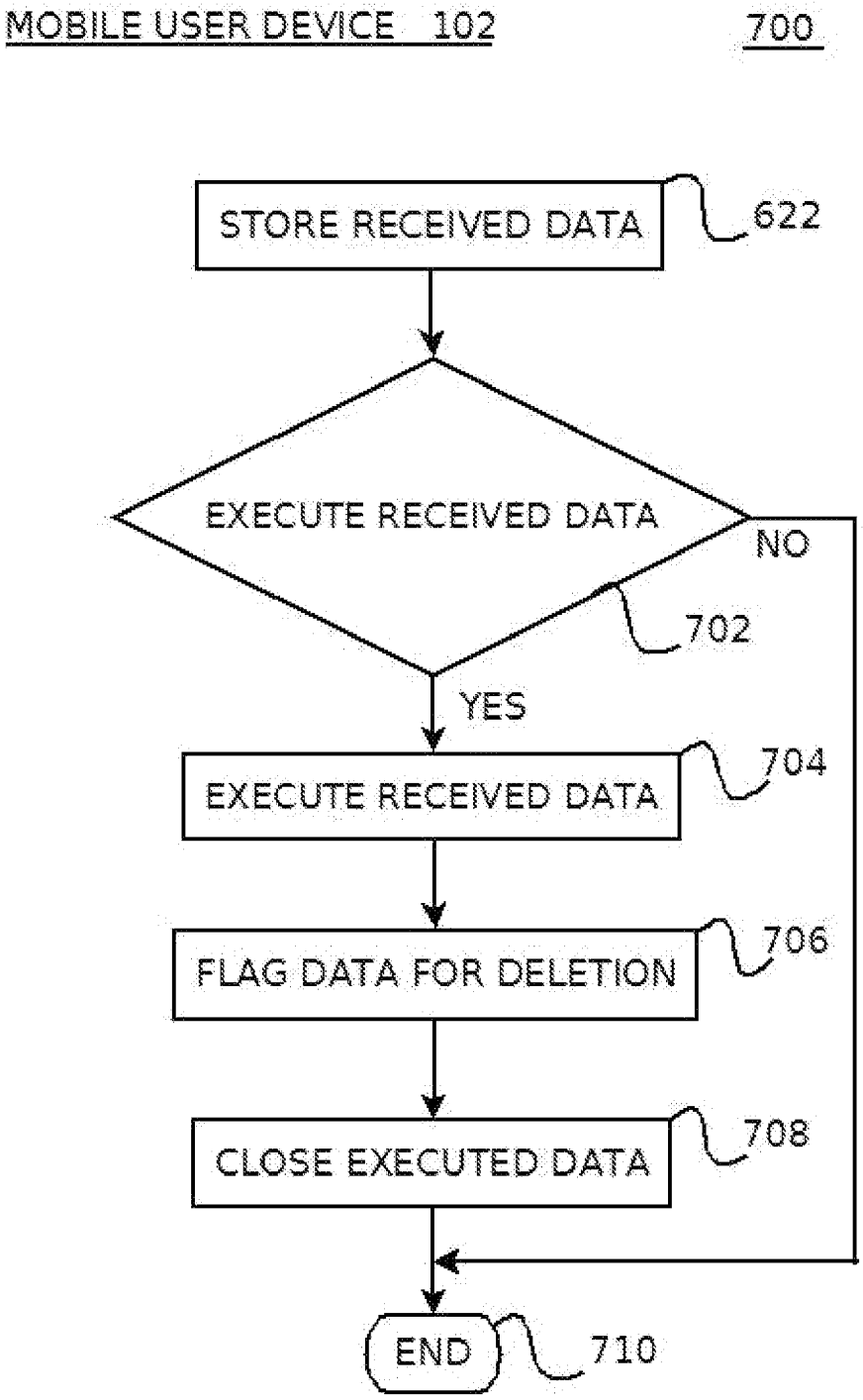
MOBILE USER DEVICE 102
700
STORE RECEIVED DATA
622
EXECUTE RECEIVED DATA
NO
702
YES
EXECUTE RECEIVED DATA
704
FLAG DATA FOR DELETION
706
CLOSE EXECUTED DATA
708
END
710

FIG. 7

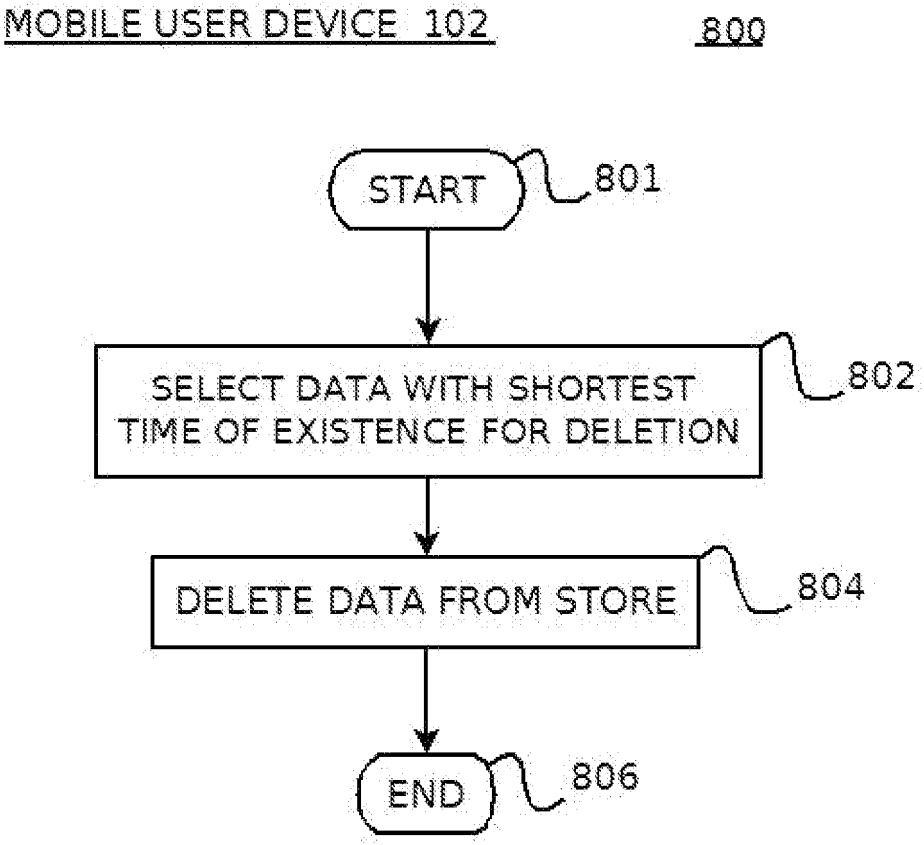
MOBILE USER DEVICE 102
800
START
801
SELECT DATA WITH SHORTEST TIME OF EXISTENCE FOR DELETION
802
DELETE DATA FROM STORE
804
END
806

FIG. 8