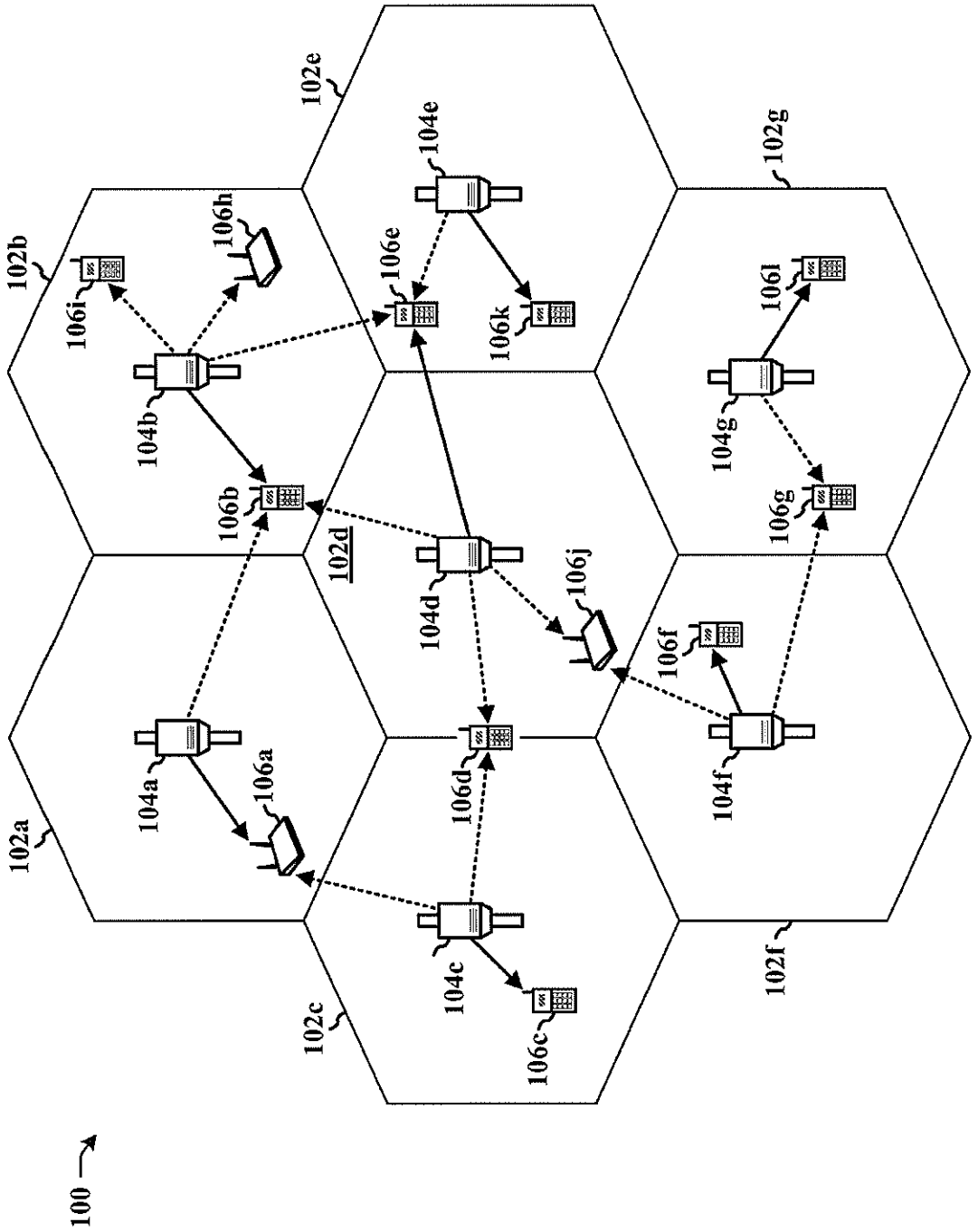

100
102a
102b
102c
102d
102e
102f
102g
104a
104b
104c
104d
104e
104f
104g
106a
106b
106c
106d
106e
106f
106g
106h
106i
106j
106k
106l

FIG. 1

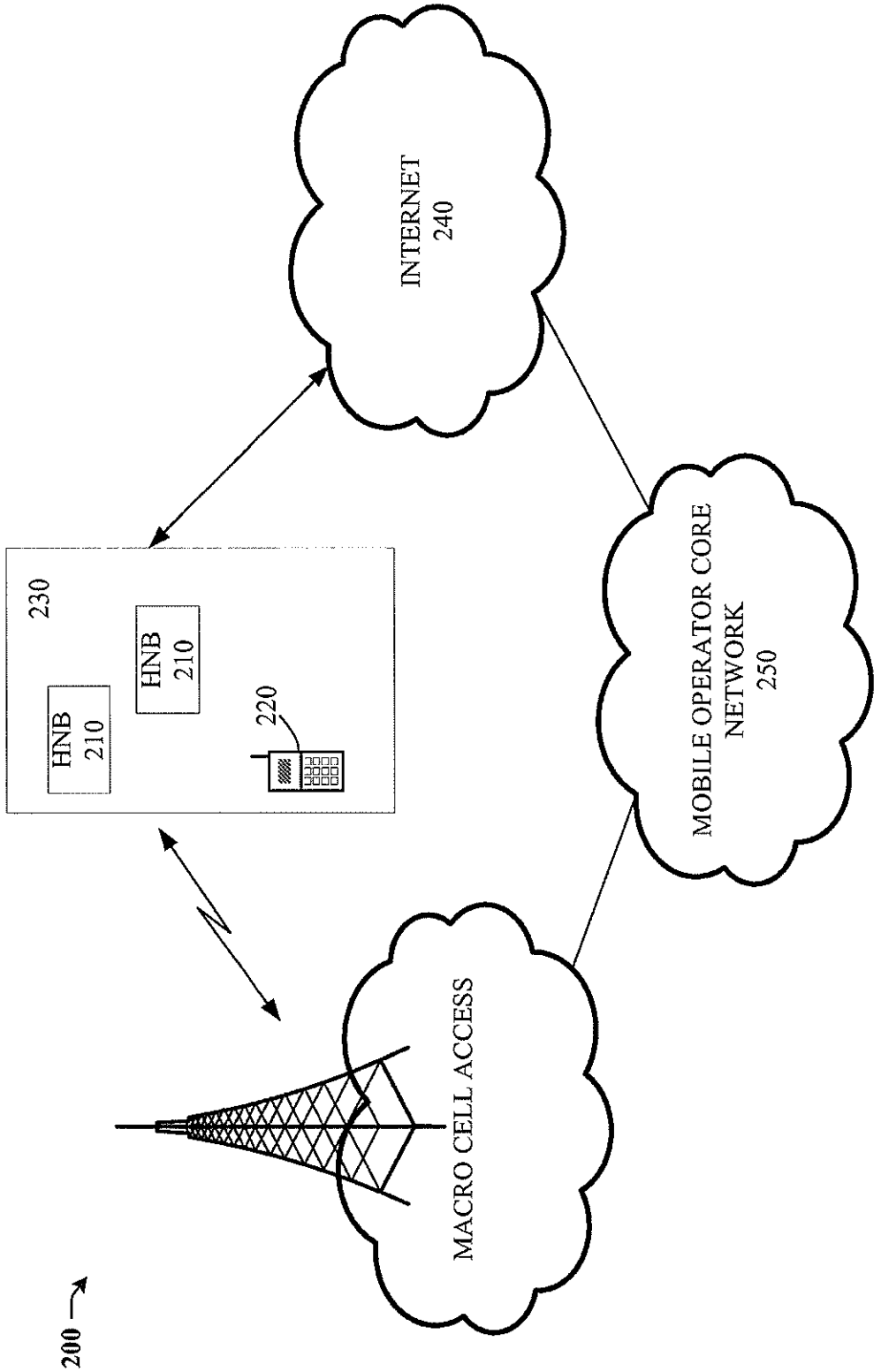

INTERNET
240
MOBILE OPERATOR CORE
NETWORK
250
MACRO CELL ACCESS
230
HNB
210
HNB
210
220
200

FIG. 2

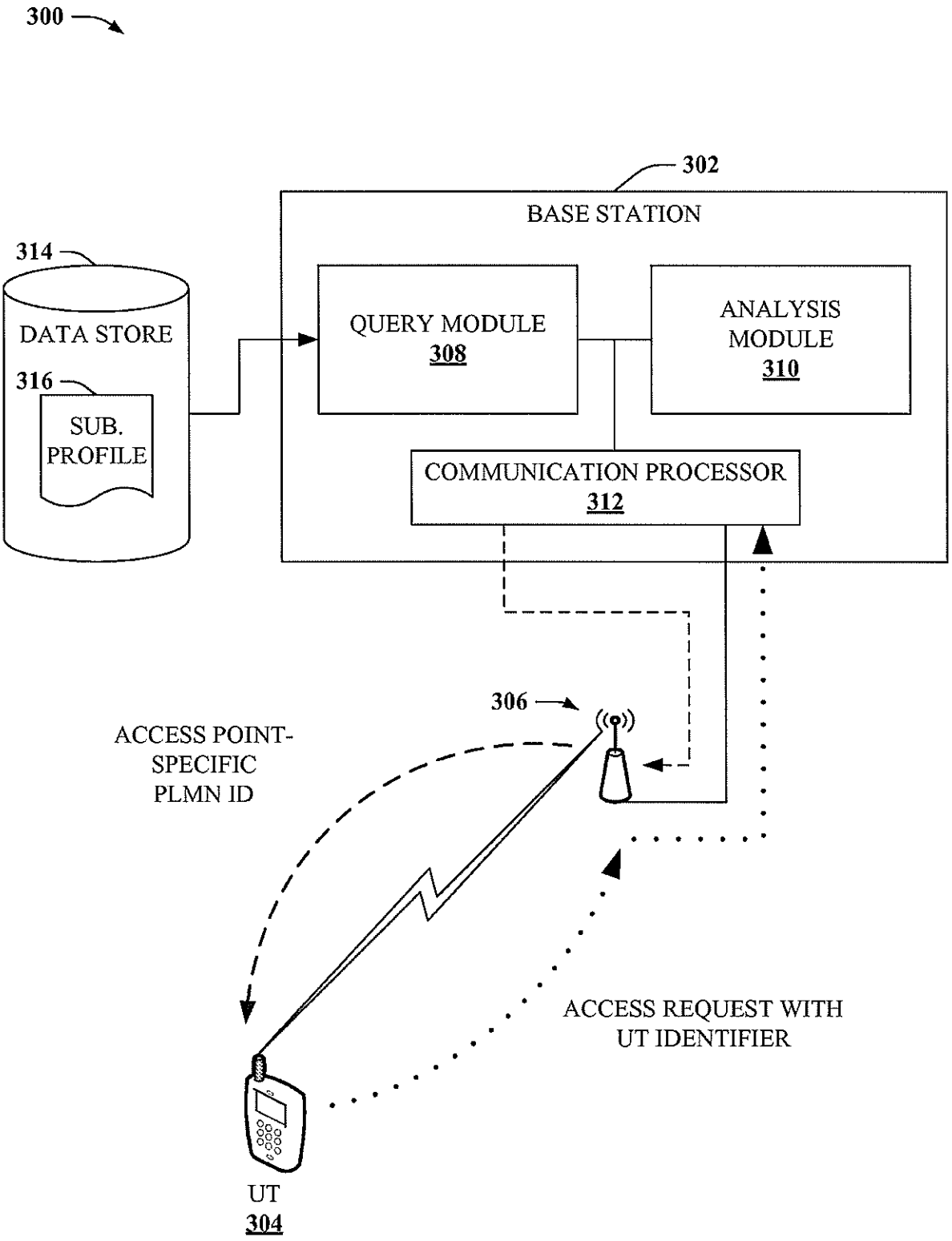

300
302
BASE STATION
314
DATA STORE
316
SUB. PROFILE
QUERY MODULE
308
ANALYSIS MODULE
310
COMMUNICATION PROCESSOR
312
306
ACCESS POINT-SPECIFIC PLMN ID
ACCESS REQUEST WITH UT IDENTIFIER
UT
304

FIG. 3

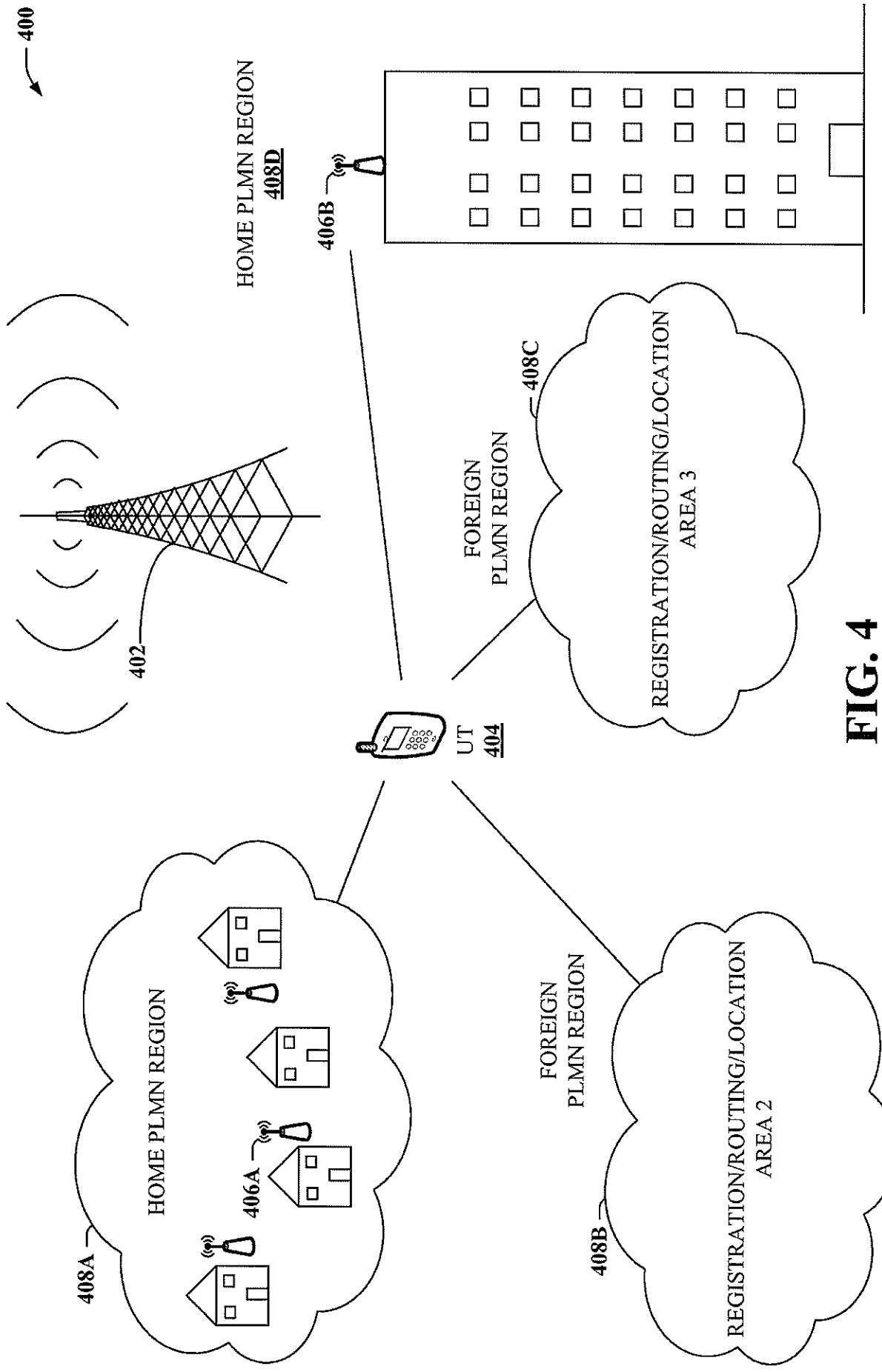

400
HOME PLMN REGION
408D
406B
402
FOREIGN
PLMN REGION
408C
REGISTRATION/ROUTING/LOCATION
AREA 3
UT
404
HOME PLMN REGION
406A
408A
FOREIGN
PLMN REGION
408B
REGISTRATION/ROUTING/LOCATION
AREA 2

FIG. 4

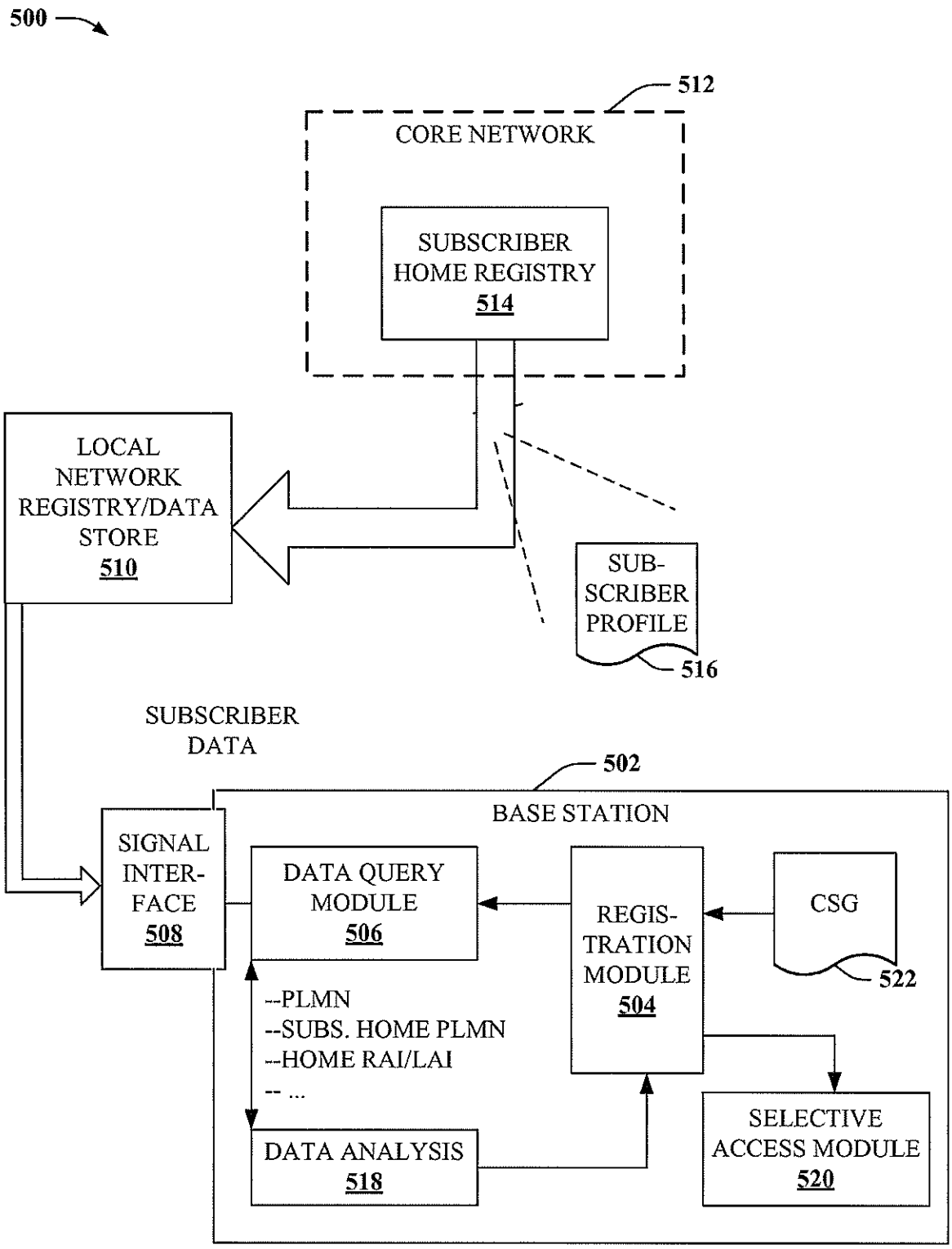

500
512
CORE NETWORK
SUBSCRIBER HOME REGISTRY 514
LOCAL NETWORK REGISTRY/DATA STORE 510
SUB-SCRIBER PROFILE
516
SUBSCRIBER DATA
502
BASE STATION
SIGNAL INTER-FACE 508
DATA QUERY MODULE 506
REGIS-TRATION MODULE 504
CSG
522
--PLMN
--SUBS. HOME PLMN
--HOME RAI/LAI
-- ...
DATA ANALYSIS 518
SELECTIVE ACCESS MODULE 520

FIG. 5

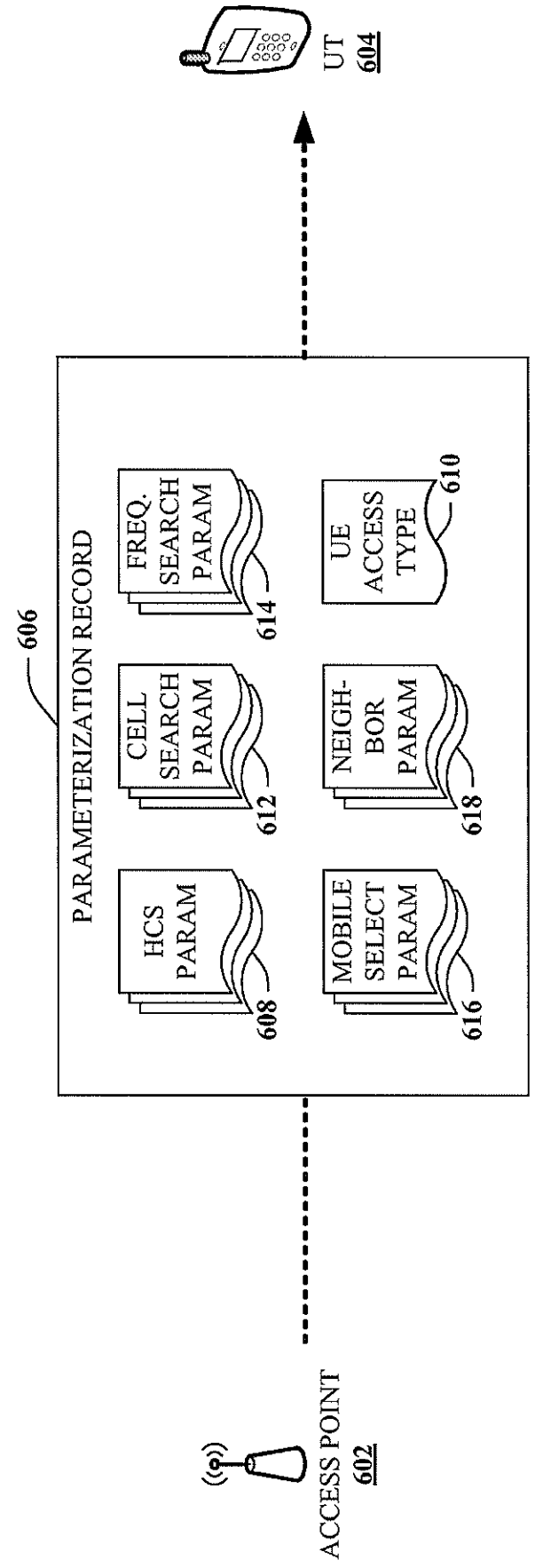

UT
604
606
PARAMETERIZATION RECORD
HCS PARAM
608
CELL SEARCH PARAM
612
FREQ. SEARCH PARAM
614
MOBILE SELECT PARAM
616
NEIGH-BOR PARAM
618
UE ACCESS TYPE
610
ACCESS POINT
602

FIG. 6

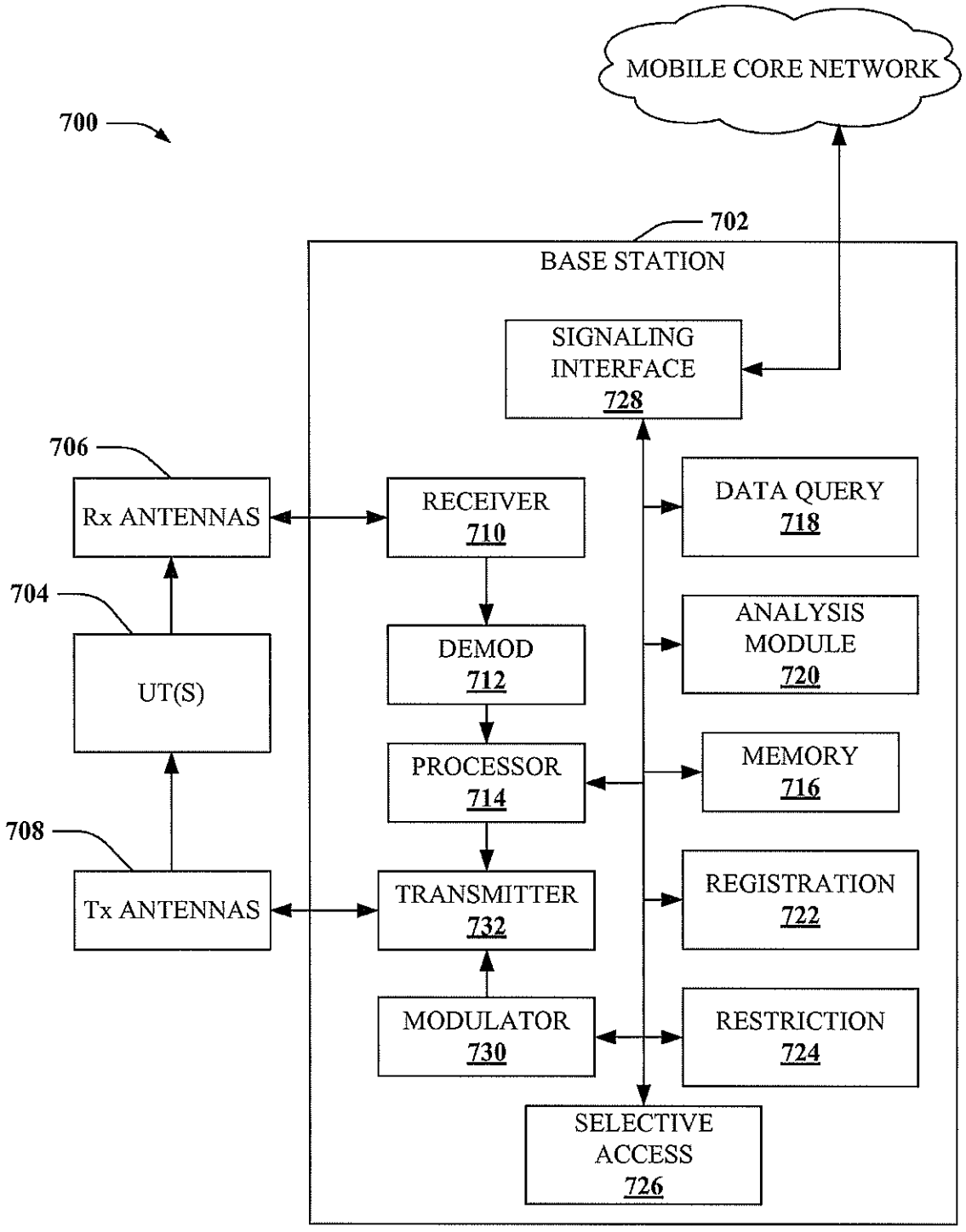

MOBILE CORE NETWORK
700
702
BASE STATION
SIGNALING INTERFACE 728
706
Rx ANTENNAS
RECEIVER 710
DATA QUERY 718
704
UT(S)
DEMOD 712
ANALYSIS MODULE 720
PROCESSOR 714
MEMORY 716
708
Tx ANTENNAS
TRANSMITTER 732
REGISTRATION 722
MODULATOR 730
RESTRICTION 724
SELECTIVE ACCESS 726

FIG. 7

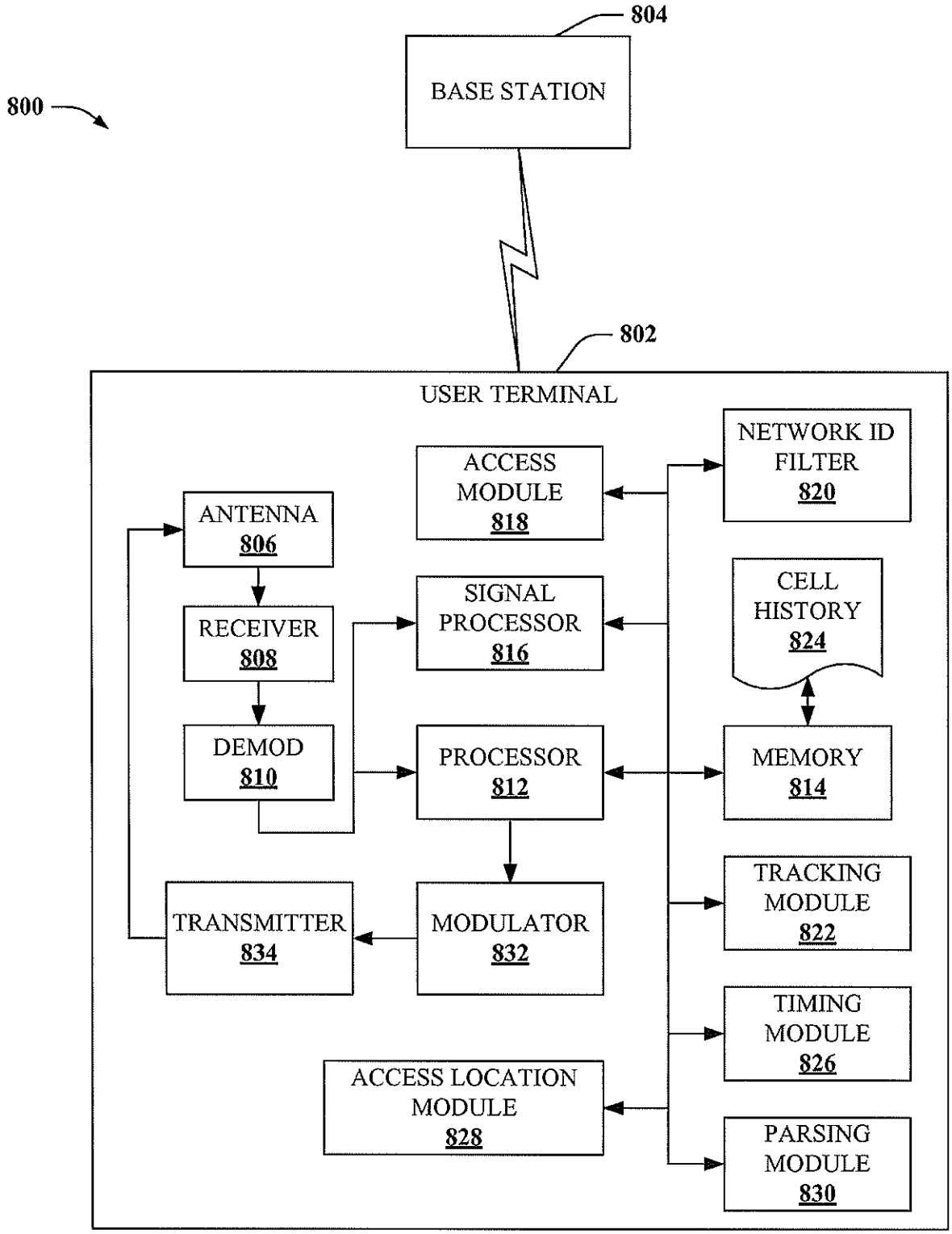

800
804
BASE STATION
802
USER TERMINAL
ANTENNA
806
RECEIVER
808
DEMOD
810
ACCESS
MODULE
818
SIGNAL
PROCESSOR
816
PROCESSOR
812
TRANSMITTER
834
MODULATOR
832
ACCESS LOCATION
MODULE
828
NETWORK ID
FILTER
820
CELL
HISTORY
824
MEMORY
814
TRACKING
MODULE
822
TIMING
MODULE
826
PARSING
MODULE
830

FIG. 8

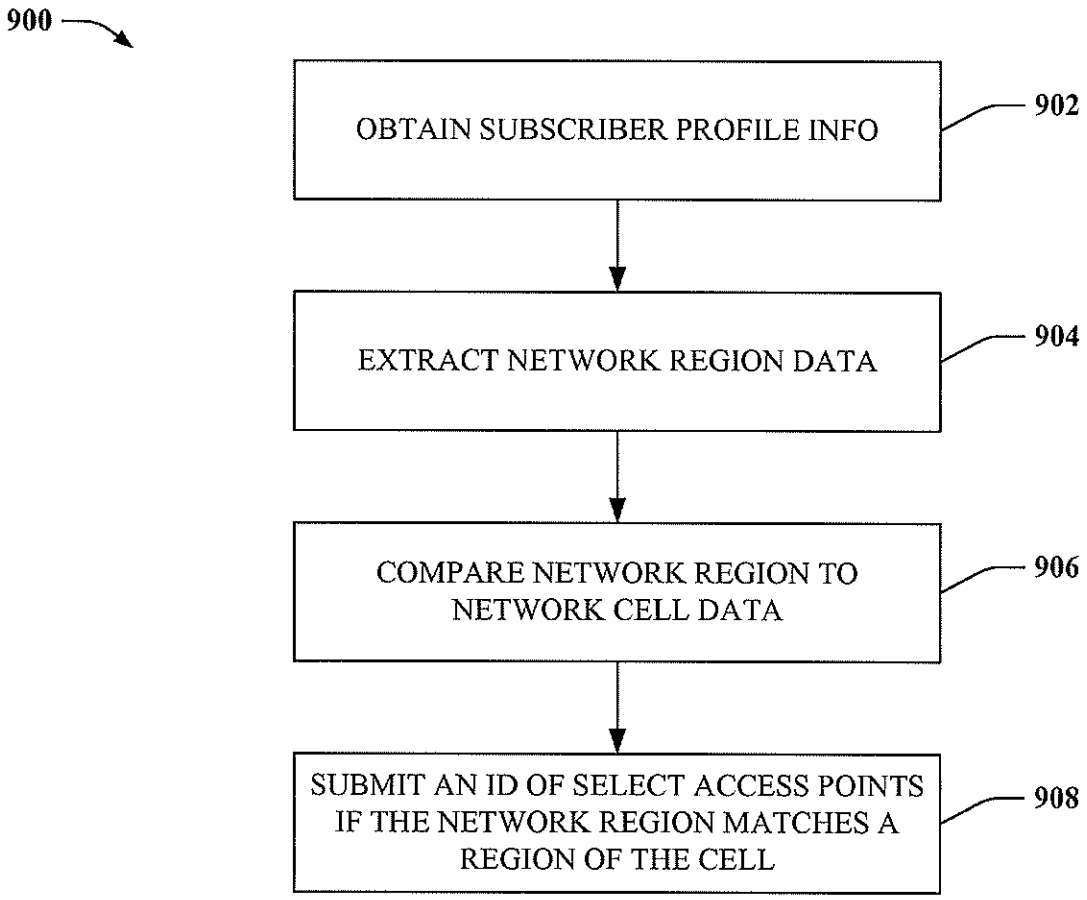

900
OBTAIN SUBSCRIBER PROFILE INFO
902
EXTRACT NETWORK REGION DATA
904
COMPARE NETWORK REGION TO NETWORK CELL DATA
906
SUBMIT AN ID OF SELECT ACCESS POINTS IF THE NETWORK REGION MATCHES A REGION OF THE CELL
908

FIG. 9

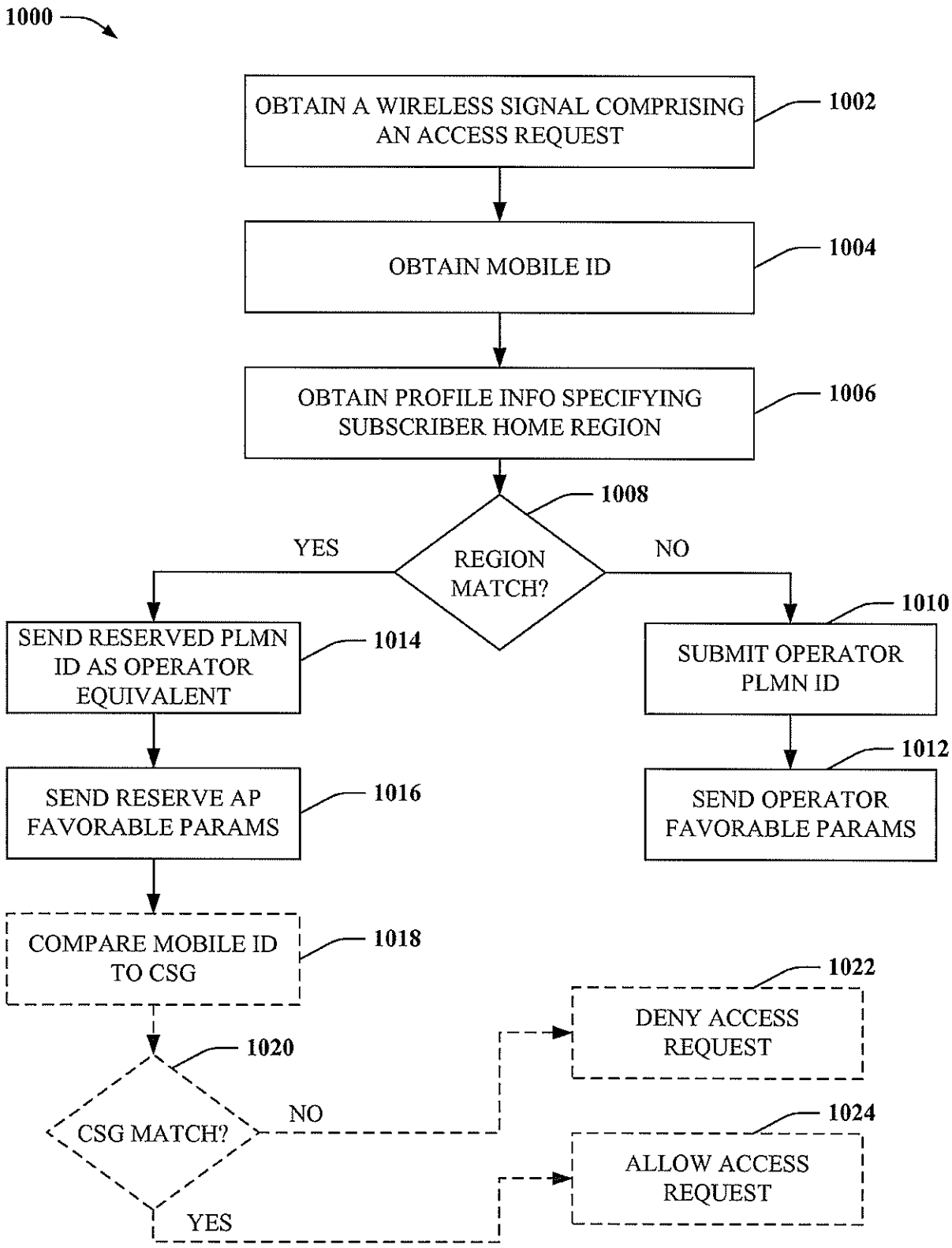

1000
OBTAIN A WIRELESS SIGNAL COMPRISING AN ACCESS REQUEST
1002
OBTAIN MOBILE ID
1004
OBTAIN PROFILE INFO SPECIFYING SUBSCRIBER HOME REGION
1006
1008
REGION MATCH?
YES
NO
SEND RESERVED PLMN ID AS OPERATOR EQUIVALENT
1014
SUBMIT OPERATOR PLMN ID
1010
SEND RESERVE AP FAVORABLE PARAMS
1016
SEND OPERATOR FAVORABLE PARAMS
1012
COMPARE MOBILE ID TO CSG
1018
1020
CSG MATCH?
NO
YES
DENY ACCESS REQUEST
1022
ALLOW ACCESS REQUEST
1024

FIG. 10

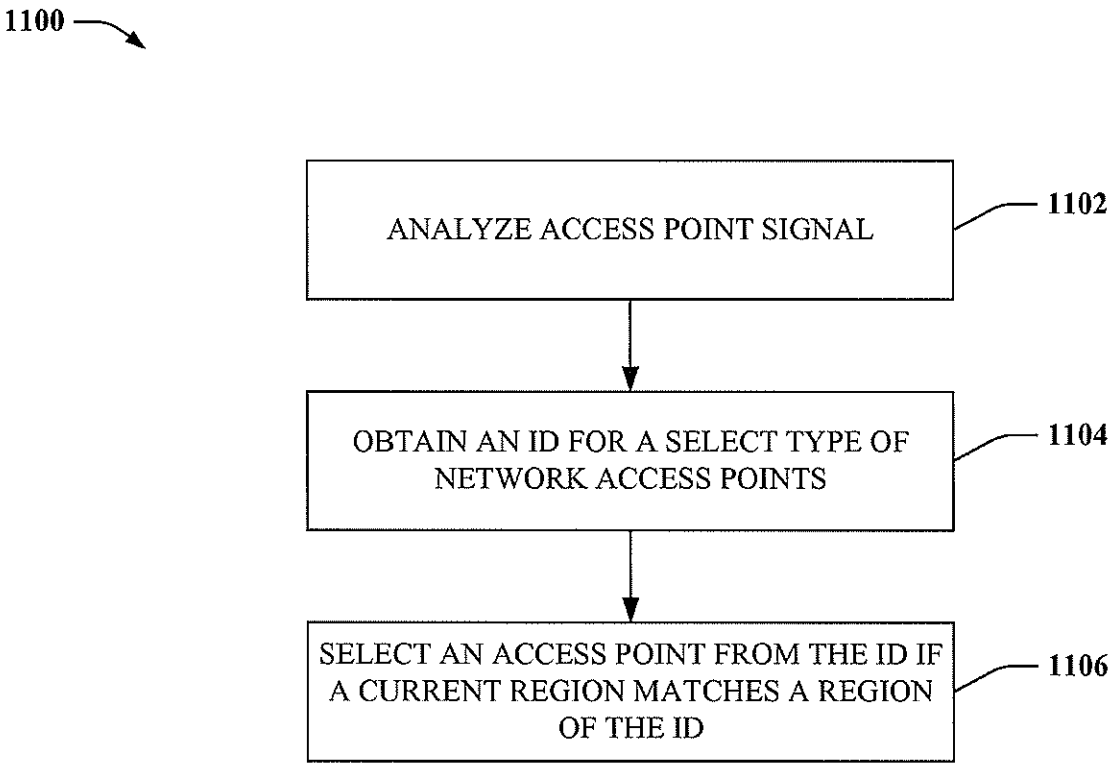

1100
ANALYZE ACCESS POINT SIGNAL
1102
OBTAIN AN ID FOR A SELECT TYPE OF NETWORK ACCESS POINTS
1104
SELECT AN ACCESS POINT FROM THE ID IF A CURRENT REGION MATCHES A REGION OF THE ID
1106

FIG. 11

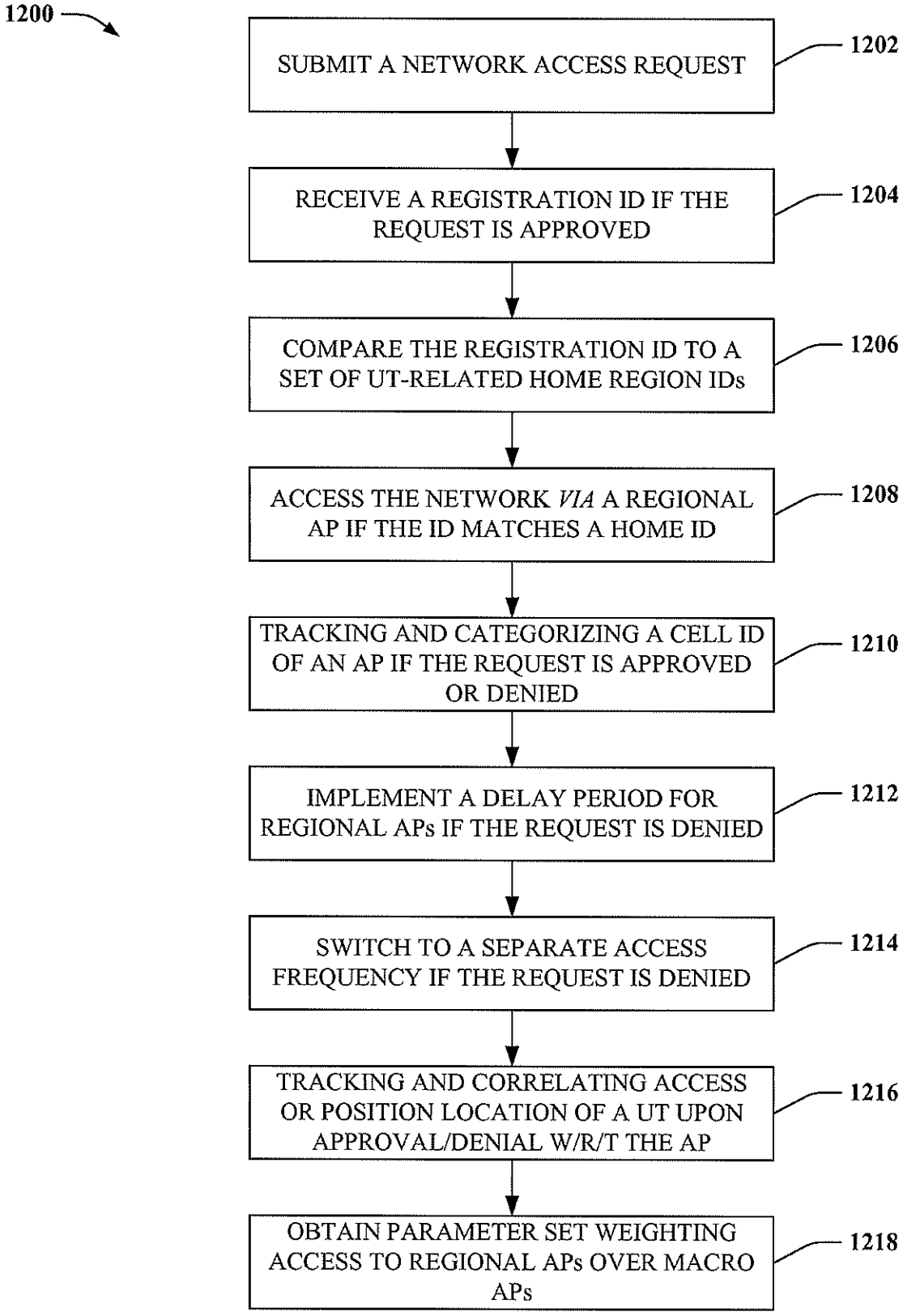

1200
SUBMIT A NETWORK ACCESS REQUEST
1202
RECEIVE A REGISTRATION ID IF THE REQUEST IS APPROVED
1204
COMPARE THE REGISTRATION ID TO A SET OF UT-RELATED HOME REGION IDs
1206
ACCESS THE NETWORK VIA A REGIONAL AP IF THE ID MATCHES A HOME ID
1208
TRACKING AND CATEGORIZING A CELL ID OF AN AP IF THE REQUEST IS APPROVED OR DENIED
1210
IMPLEMENT A DELAY PERIOD FOR REGIONAL APs IF THE REQUEST IS DENIED
1212
SWITCH TO A SEPARATE ACCESS FREQUENCY IF THE REQUEST IS DENIED
1214
TRACKING AND CORRELATING ACCESS OR POSITION LOCATION OF A UT UPON APPROVAL/DENIAL W/R/T THE AP
1216
OBTAIN PARAMETER SET WEIGHTING ACCESS TO REGIONAL APs OVER MACRO APs
1218

FIG. 12

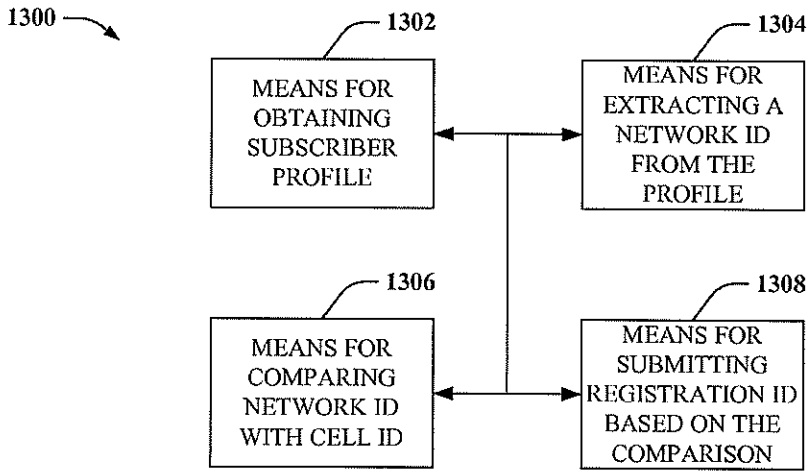

1300
1302
MEANS FOR OBTAINING SUBSCRIBER PROFILE
1304
MEANS FOR EXTRACTING A NETWORK ID FROM THE PROFILE
1306
MEANS FOR COMPARING NETWORK ID WITH CELL ID
1308
MEANS FOR SUBMITTING REGISTRATION ID BASED ON THE COMPARISON

FIG. 13

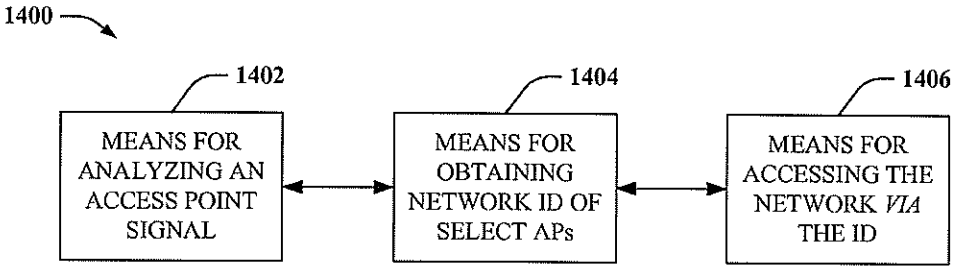

1400
1402
MEANS FOR ANALYZING AN ACCESS POINT SIGNAL
1404
MEANS FOR OBTAINING NETWORK ID OF SELECT APs
1406
MEANS FOR ACCESSING THE NETWORK *VIA* THE ID

FIG. 14