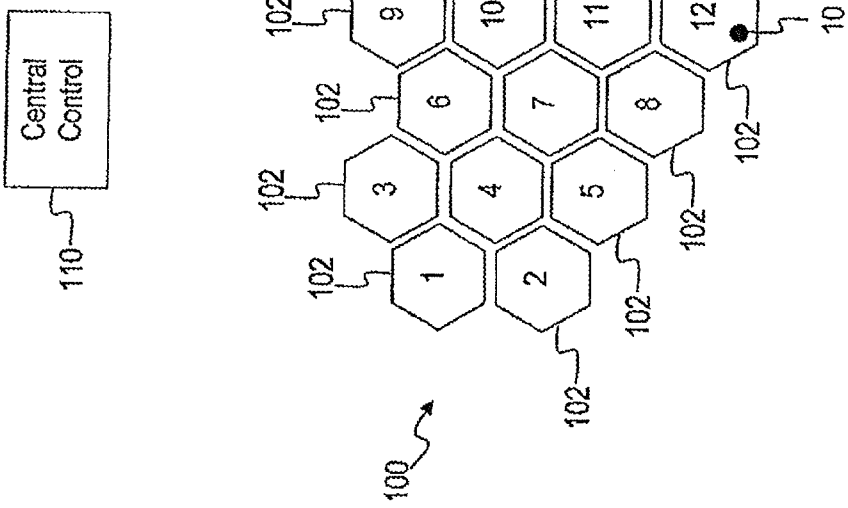

Central Control
110
100
102
1
2
3
4
5
6
7
8
9
10
11
12
13
14
20
10

FIG. 1

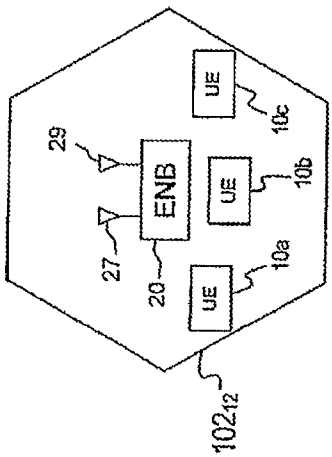

ENB
UE
UE
UE
29
27
20
10a
10b
10c
102_{12}

FIG. 2

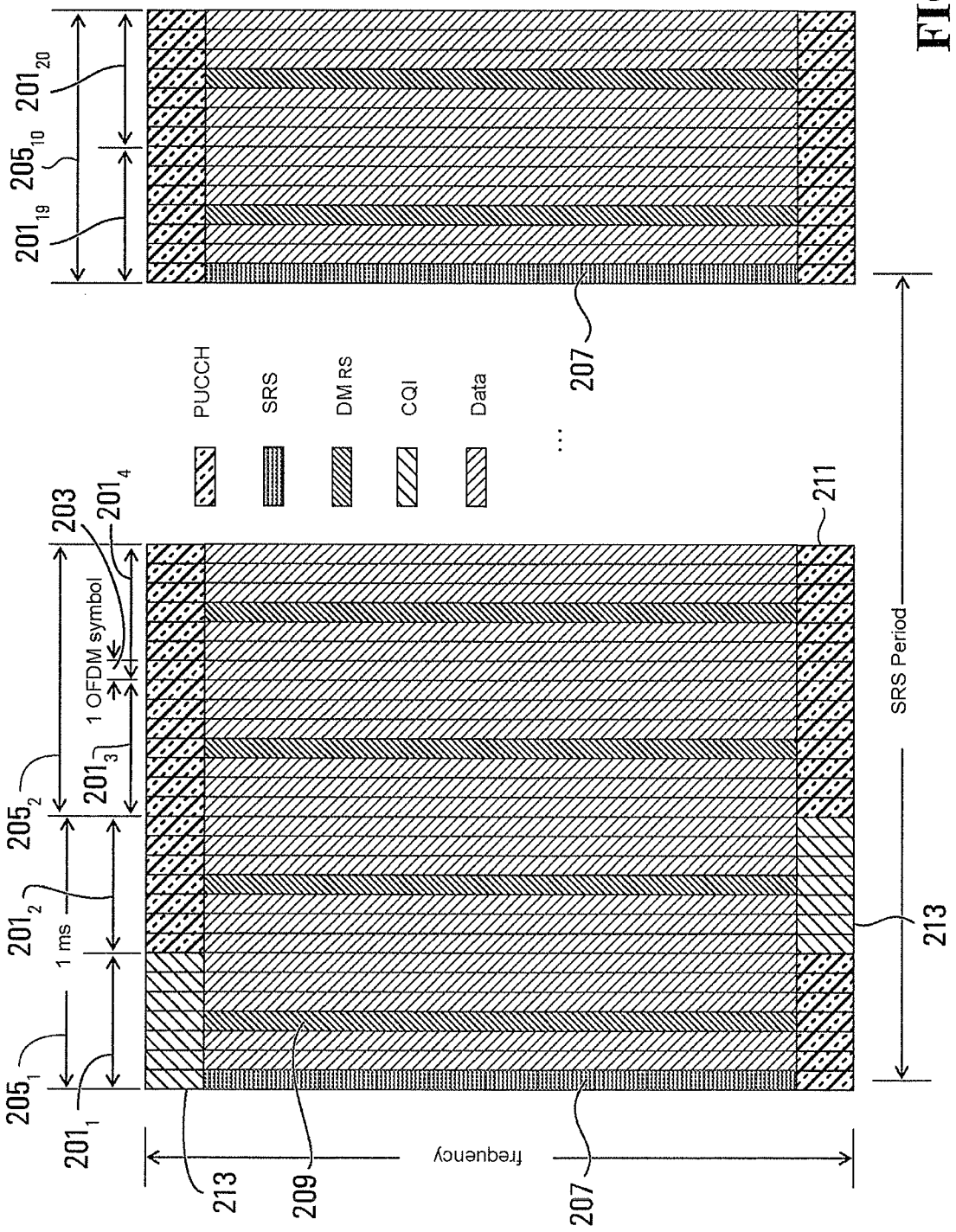

PUCCH
SRS
DM RS
CQI
Data
1 OFDM symbol
1 ms
SRS Period
frequency
201_1
201_2
201_3
201_4
201_{19}
201_{20}
205_1
205_2
205_{10}
203
207
209
211
213

FIG. 3

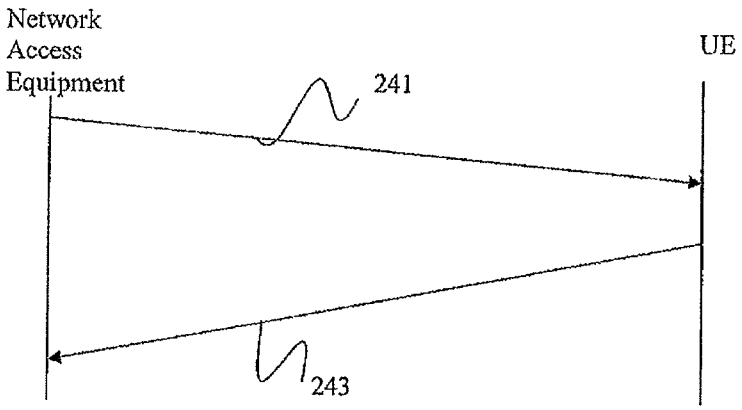


FIG 4

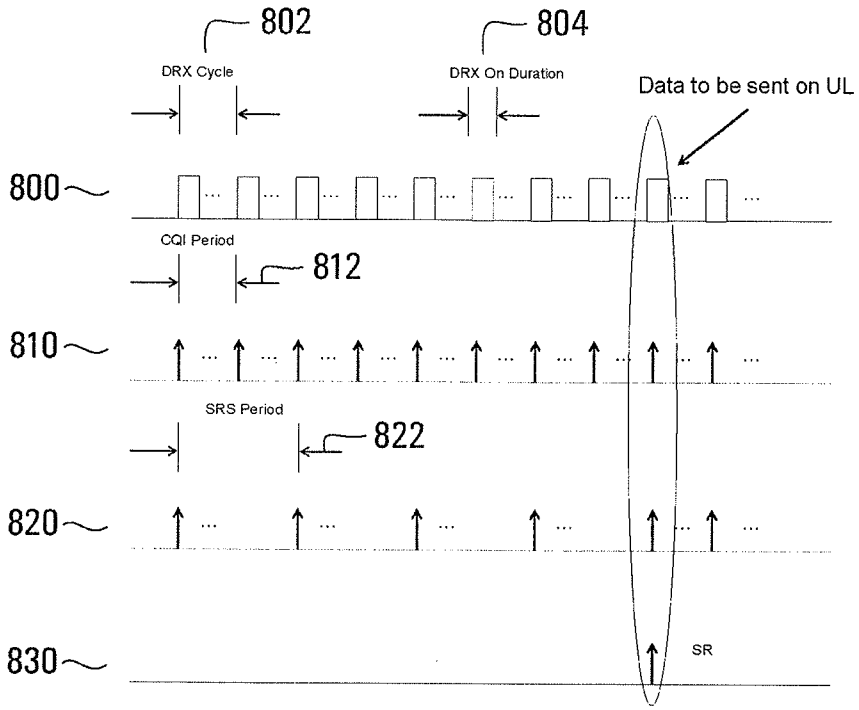

802
804
DRX Cycle
DRX On Duration
Data to be sent on UL
800
CQI Period
812
810
SRS Period
822
820
830
SR

FIG. 5A

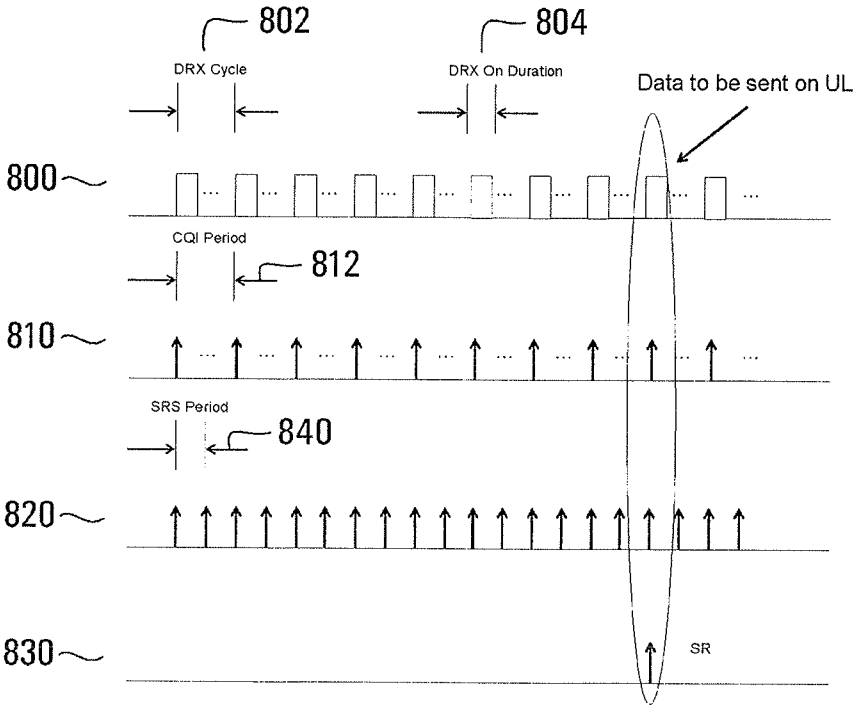

802
804
DRX Cycle
DRX On Duration
Data to be sent on UL
800
CQI Period
812
810
SRS Period
840
820
830
SR

FIG. 5B

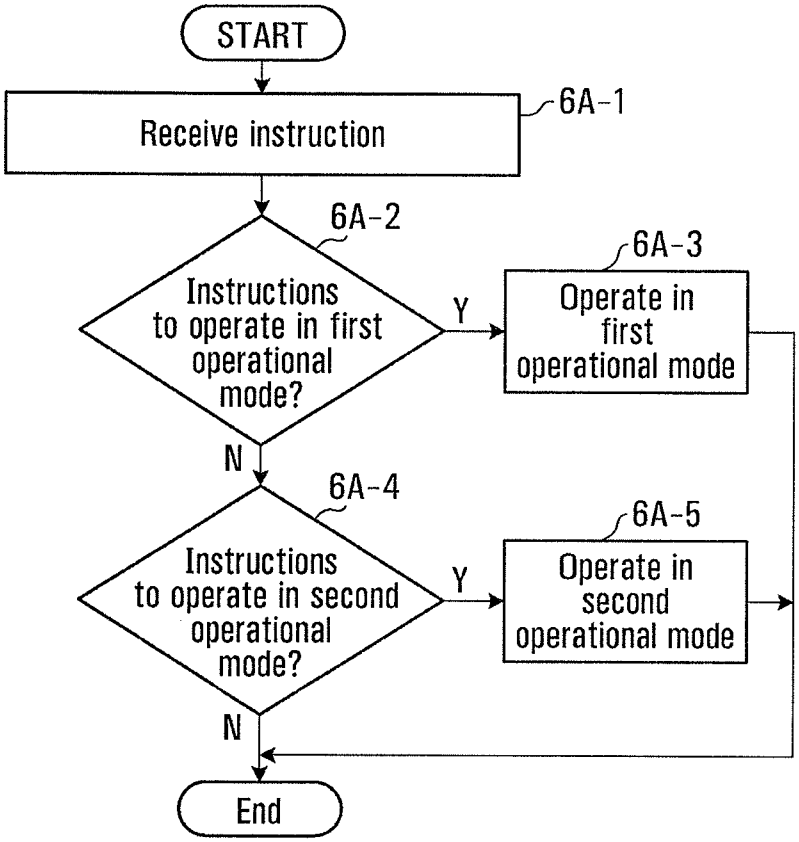

START
Receive instruction
6A-1
6A-2
Instructions to operate in first operational mode?
Y
6A-3
Operate in first operational mode
N
6A-4
Instructions to operate in second operational mode?
Y
6A-5
Operate in second operational mode
N
End

FIG. 6A

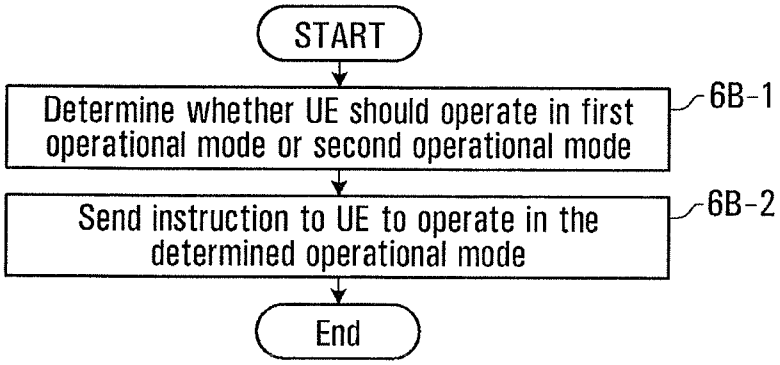

START
Determine whether UE should operate in first operational mode or second operational mode
6B-1
Send instruction to UE to operate in the determined operational mode
6B-2
End

FIG. 6B

FIG. 7

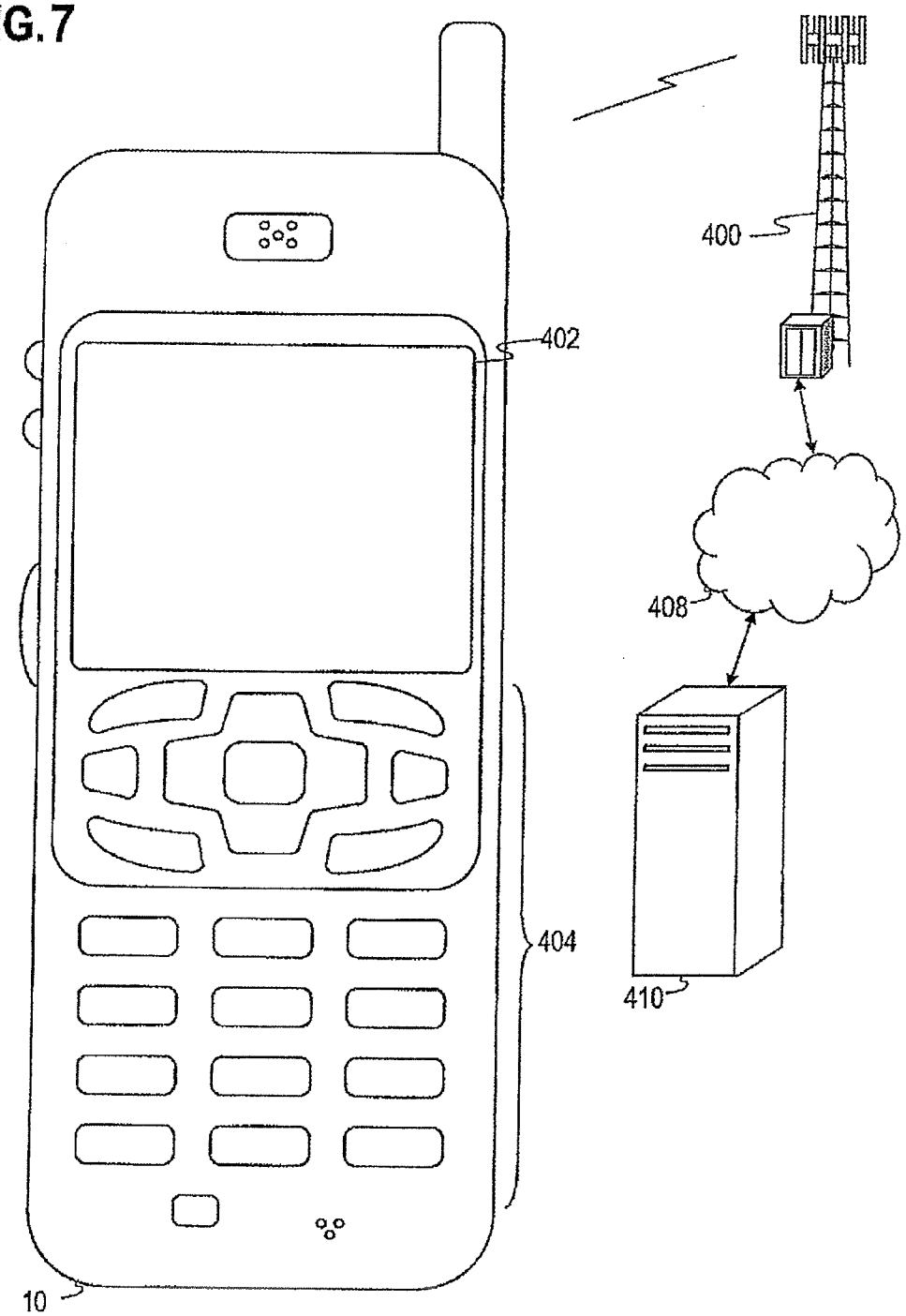
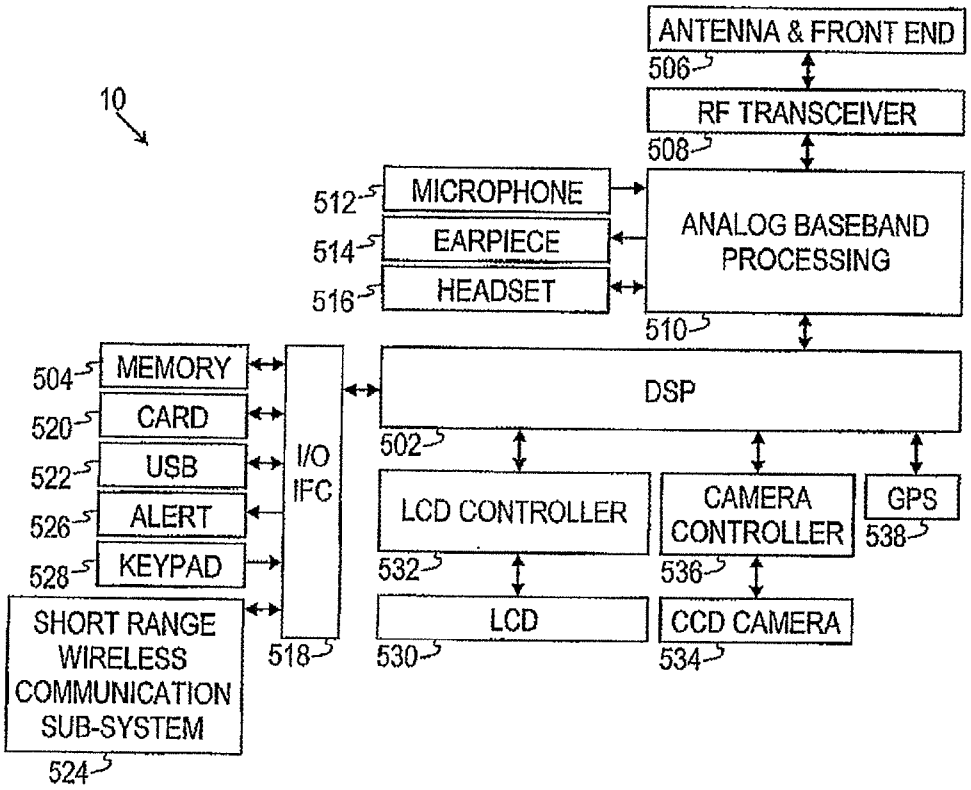


FIG. 8


10
ANTENNA & FRONT END
506
RF TRANSCEIVER
508
512
MICROPHONE
514
EARPIECE
516
HEADSET
ANALOG BASEBAND PROCESSING
510
504
MEMORY
520
CARD
522
USB
526
ALERT
528
KEYPAD
SHORT RANGE WIRELESS COMMUNICATION SUB-SYSTEM
524
I/O IFC
518
DSP
502
LCD CONTROLLER
532
LCD
530
CAMERA CONTROLLER
536
CCD CAMERA
534
GPS
538

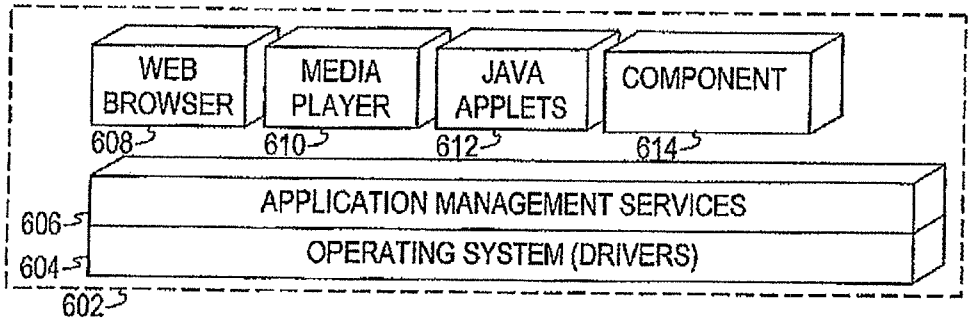

WEB BROWSER
608
MEDIA PLAYER
610
JAVA APPLETS
612
COMPONENT
614
APPLICATION MANAGEMENT SERVICES
606
OPERATING SYSTEM (DRIVERS)
604
602

FIG. 9

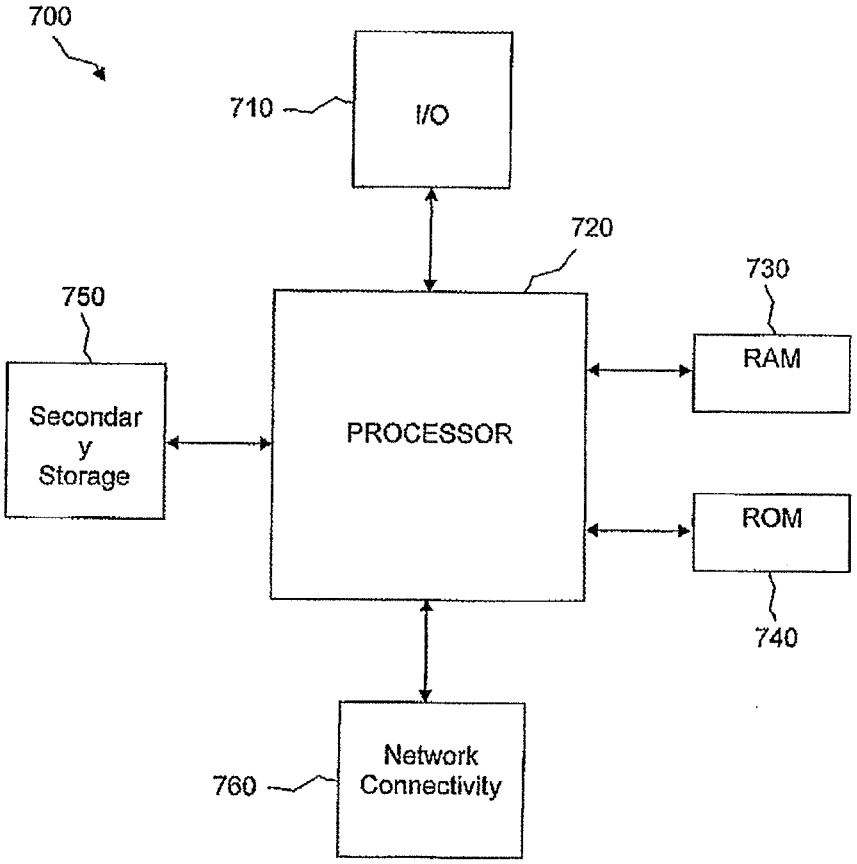

700
710
I/O
720
730
750
RAM
Secondar
y
Storage
PROCESSOR
ROM
740
760
Network
Connectivity

FIG. 10

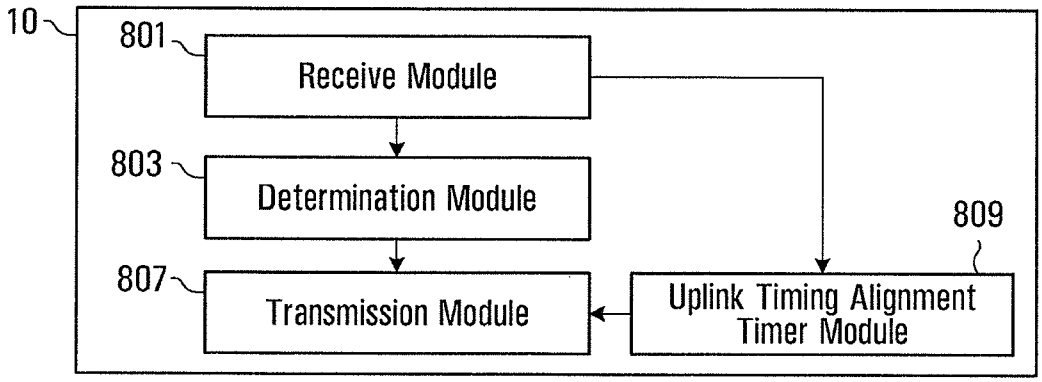

10
801
Receive Module
803
Determination Module
809
807
Transmission Module
Uplink Timing Alignment Timer Module

FIG. 11

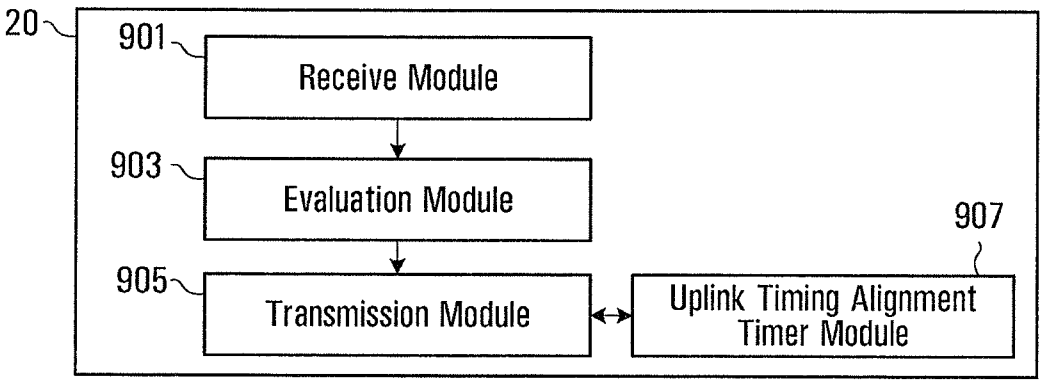

20
901
Receive Module
903
Evaluation Module
907
905
Transmission Module
Uplink Timing Alignment Timer Module

FIG. 12