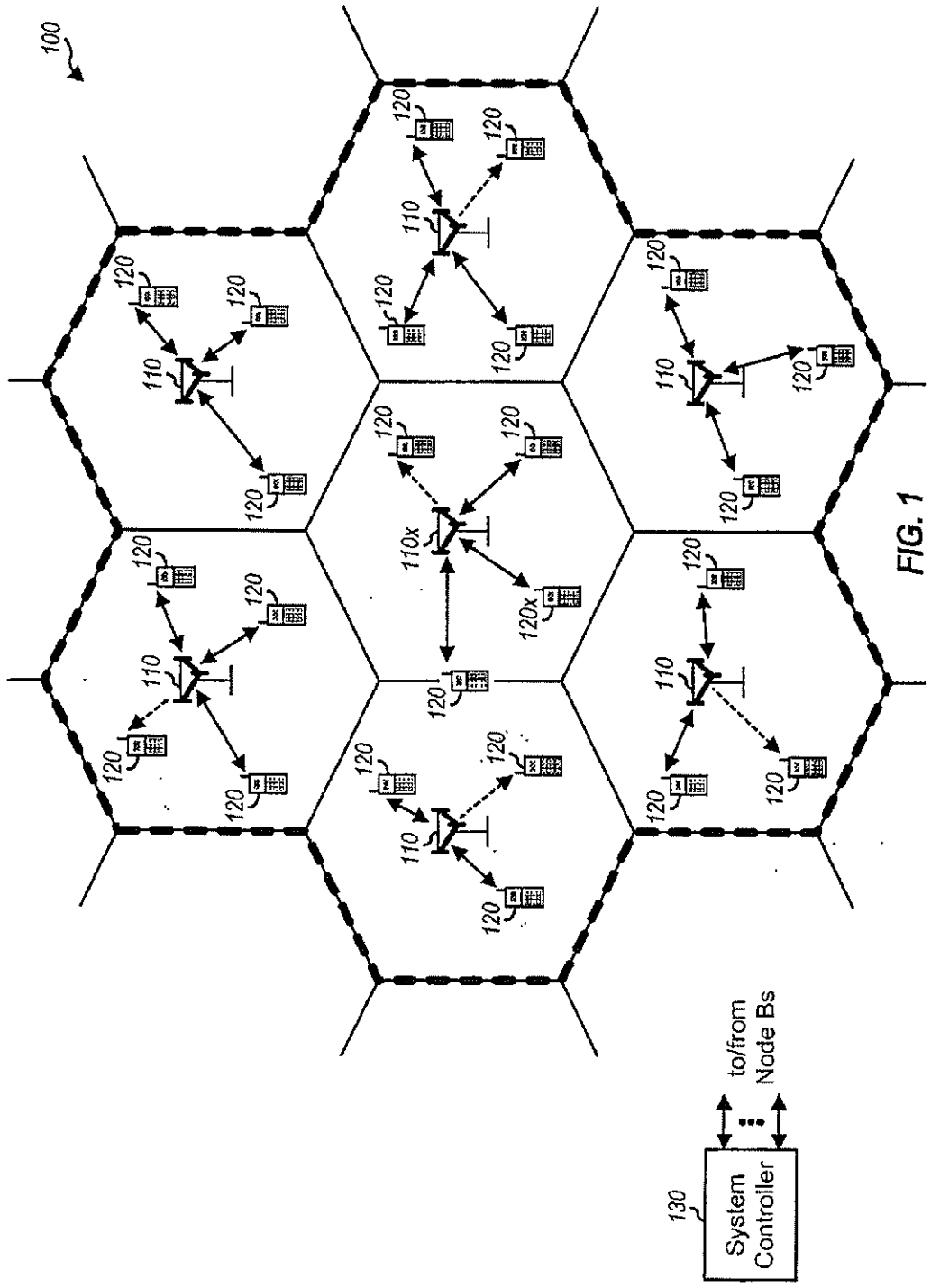


FIG. 1

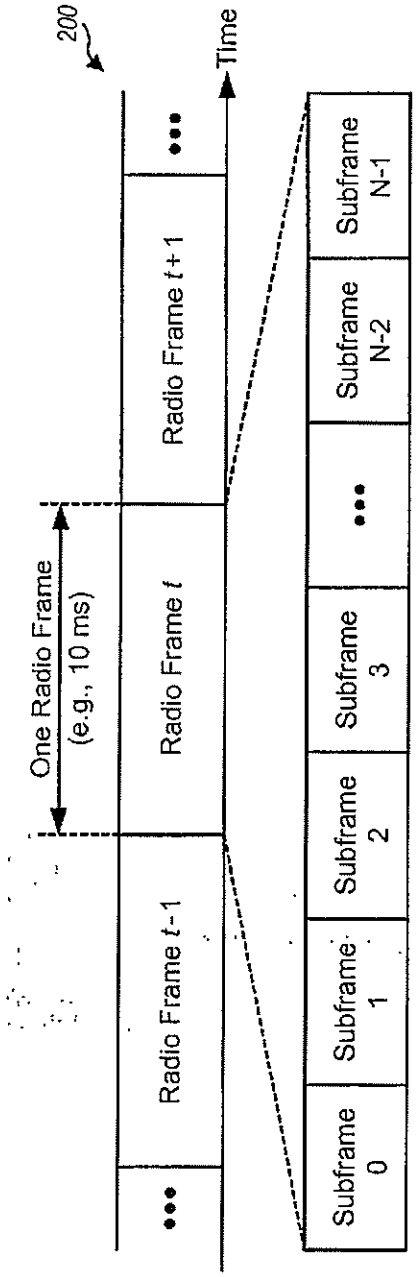

200
Time
One Radio Frame
(e.g., 10 ms)
Radio Frame t-1
Radio Frame t
Radio Frame t+1
Subframe 0
Subframe 1
Subframe 2
Subframe 3
Subframe N-2
Subframe N-1

FIG. 2

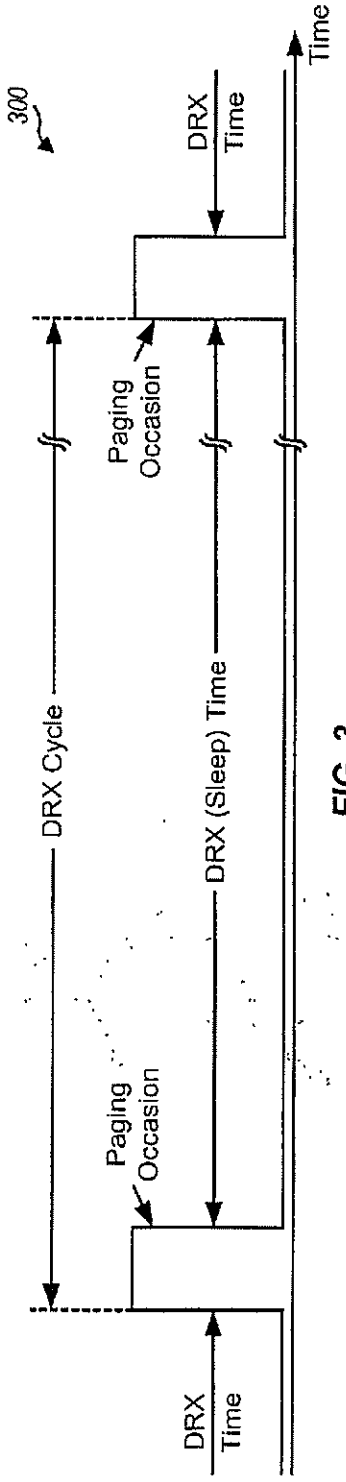

300
Time
DRX Time
Paging Occasion
DRX Cycle
DRX (Sleep) Time
Paging Occasion
DRX Time

FIG. 3

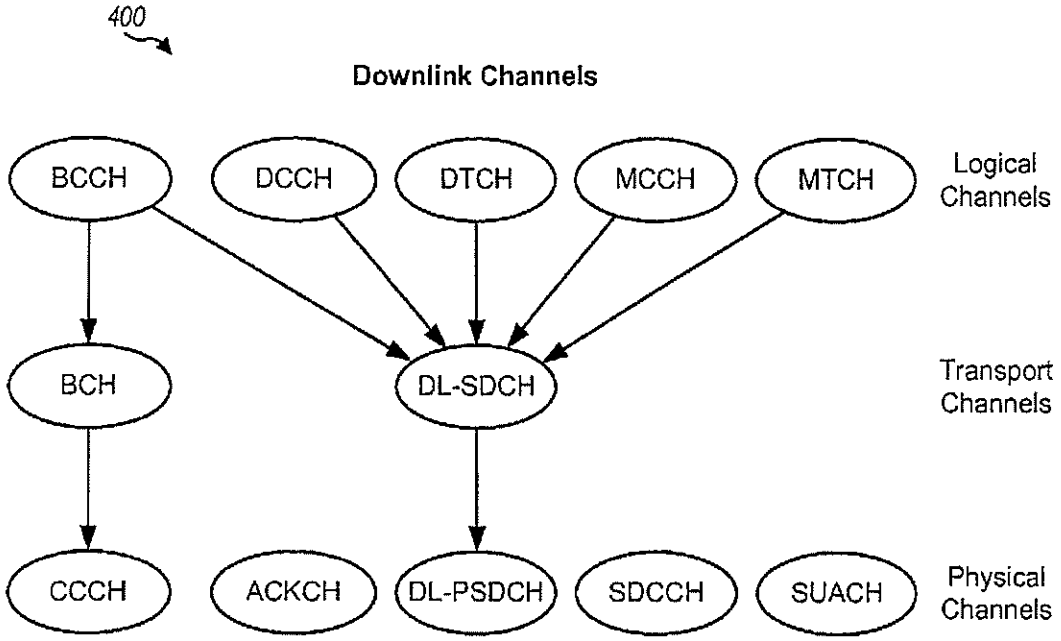

400
Downlink Channels
BCCH
DCCH
DTCH
MCCH
MTCH
Logical Channels
BCH
DL-SDCH
Transport Channels
CCCH
ACKCH
DL-PSDCH
SDCCH
SUACH
Physical Channels

FIG. 4

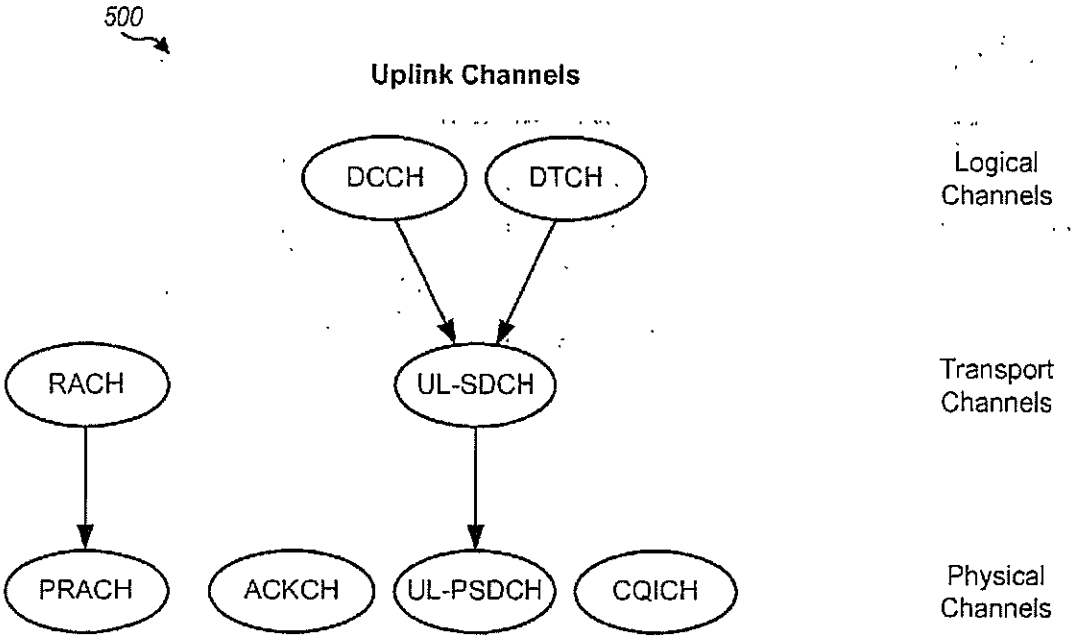

500
Uplink Channels
DCCH
DTCH
Logical Channels
RACH
UL-SDCH
Transport Channels
PRACH
ACKCH
UL-PSDCH
CQICH
Physical Channels

FIG. 5

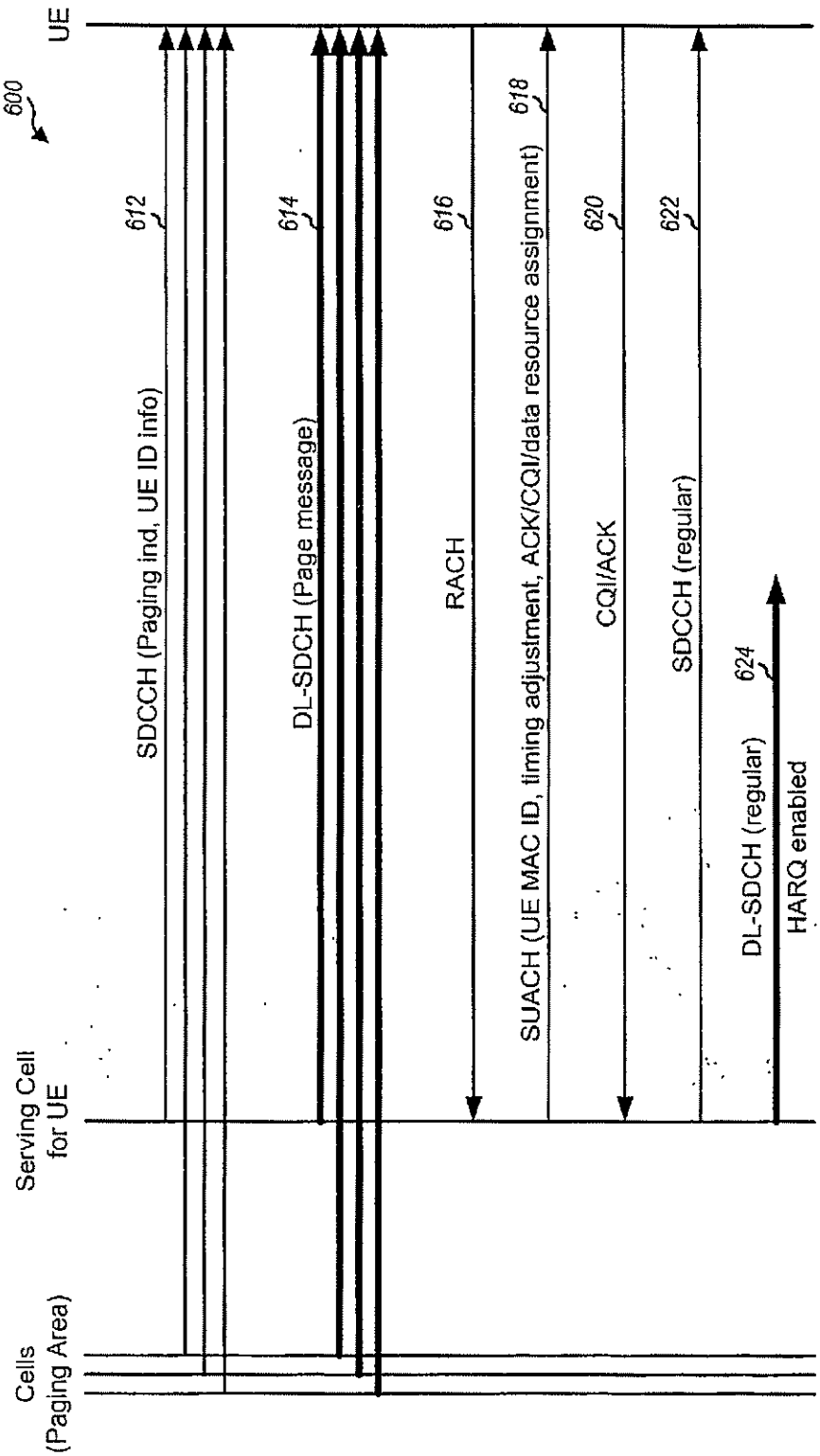

UE
600
612
SDCCH (Paging ind, UE ID info)
614
DL-SDCH (Page message)
616
RACH
618
SUACH (UE MAC ID, timing adjustment, ACK/CQI/data resource assignment)
620
CQI/ACK
622
SDCCH (regular)
624
DL-SDCH (regular)
HARQ enabled
Serving Cell for UE
Cells (Paging Area)

FIG. 6

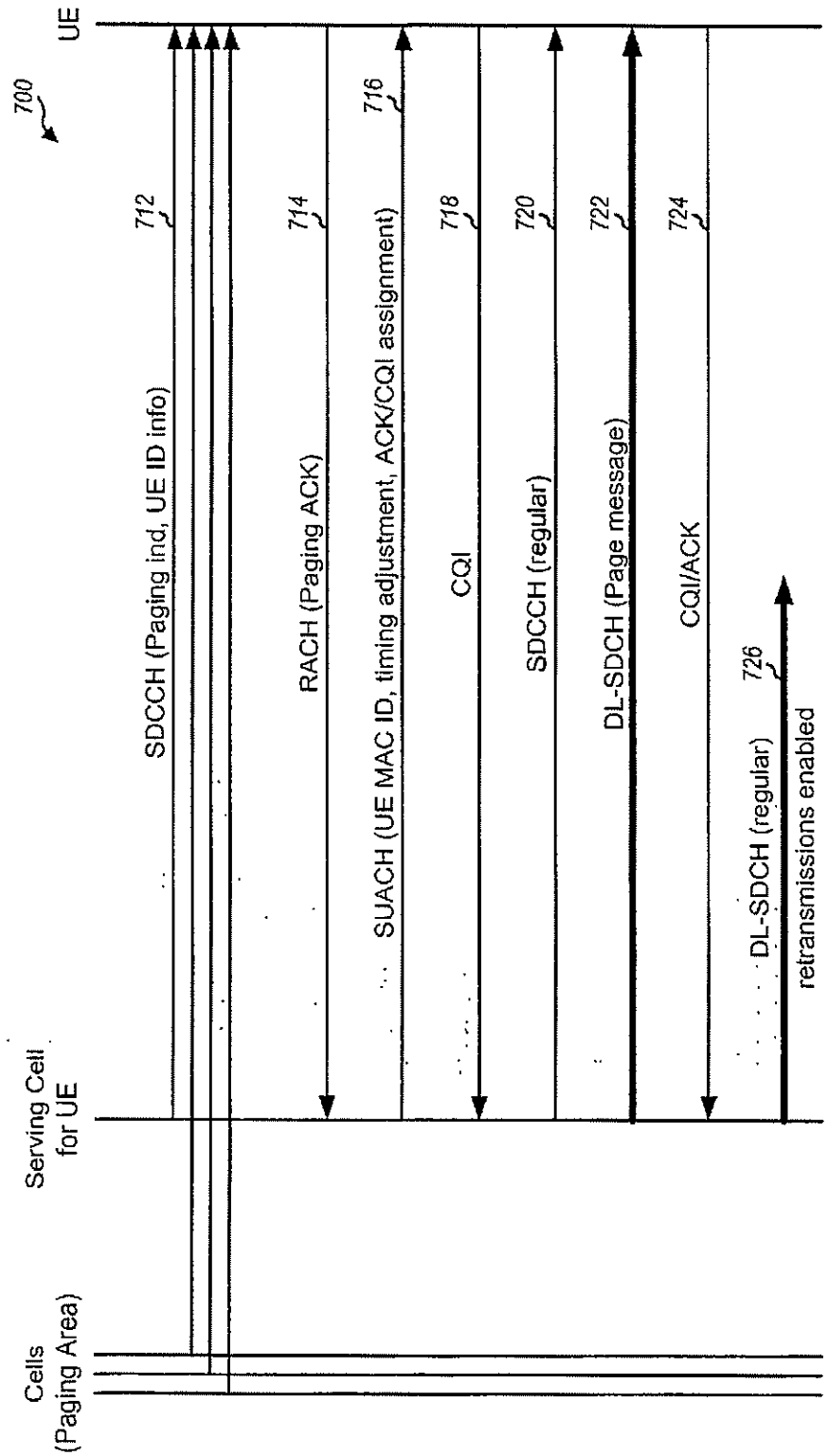

UE
700
712
SDCCH (Paging ind, UE ID info)
714
RACH (Paging ACK)
716
SUACH (UE MAC ID, timing adjustment, ACK/CQI assignment)
718
CQI
720
SDCCH (regular)
722
DL-SDCH (Page message)
724
CQI/ACK
726
DL-SDCH (regular)
retransmissions enabled
Serving Cell for UE
Cells (Paging Area)

FIG. 7

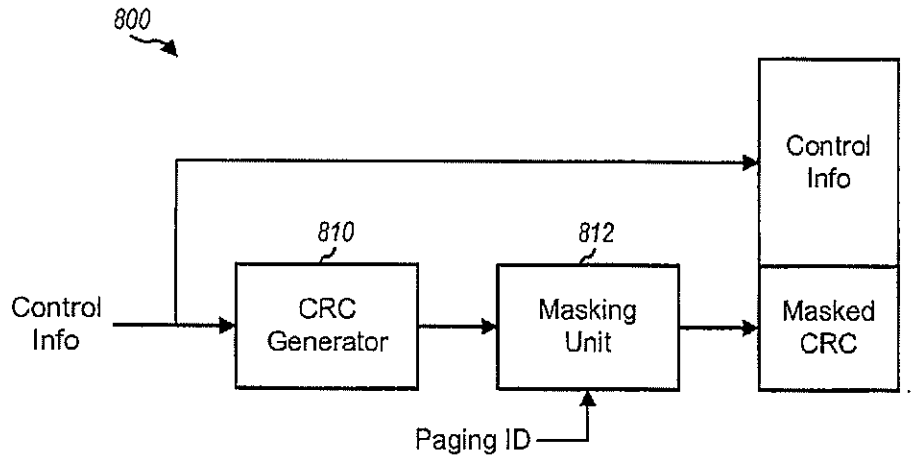

800
Control Info
810
CRC Generator
812
Masking Unit
Control Info
Masked CRC
Paging ID

FIG. 8

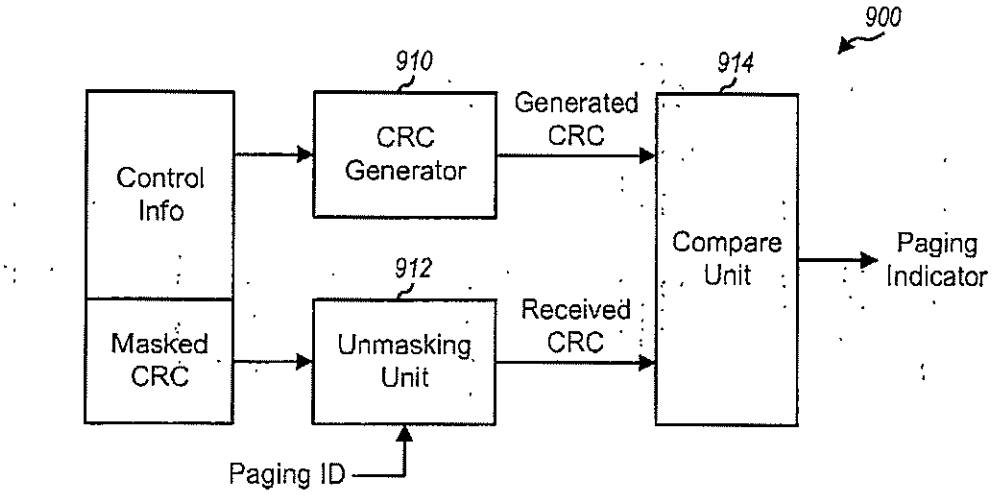

900
910
914
Control Info
CRC Generator
Generated CRC
Compare Unit
Paging Indicator
912
Masked CRC
Unmasking Unit
Received CRC
Paging ID

FIG. 9

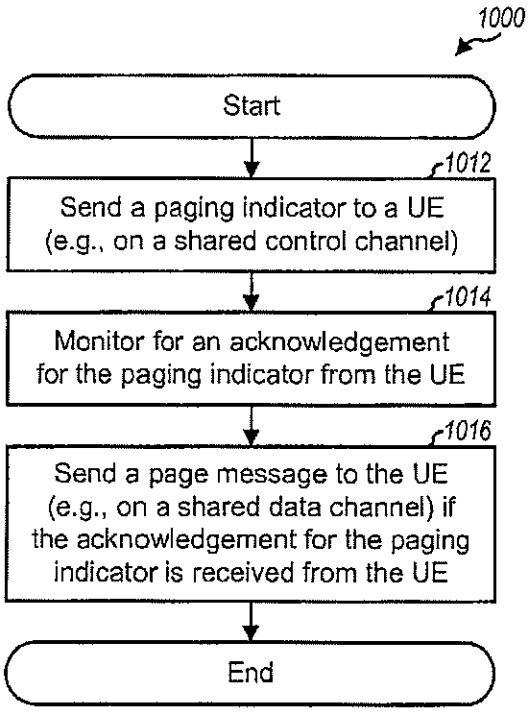


FIG. 10

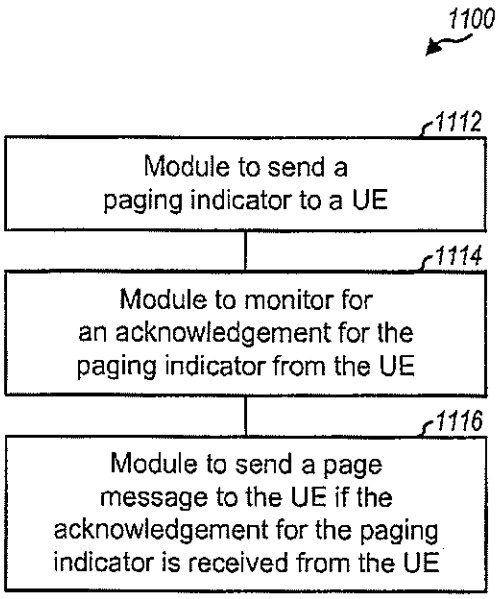


FIG. 11

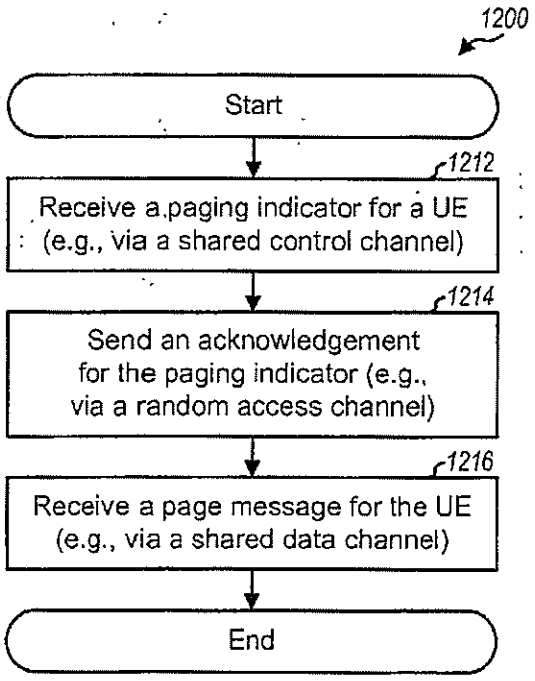


FIG. 12

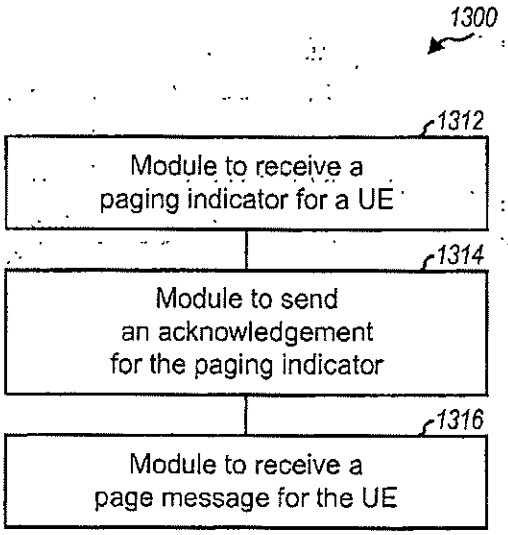


FIG. 13

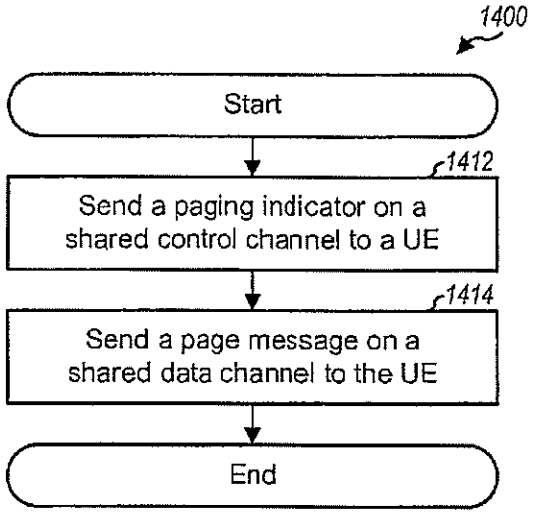


FIG. 14

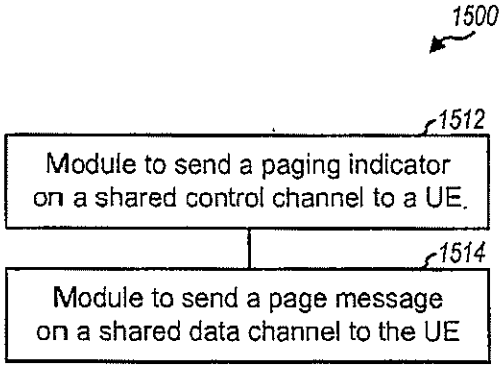


FIG. 15

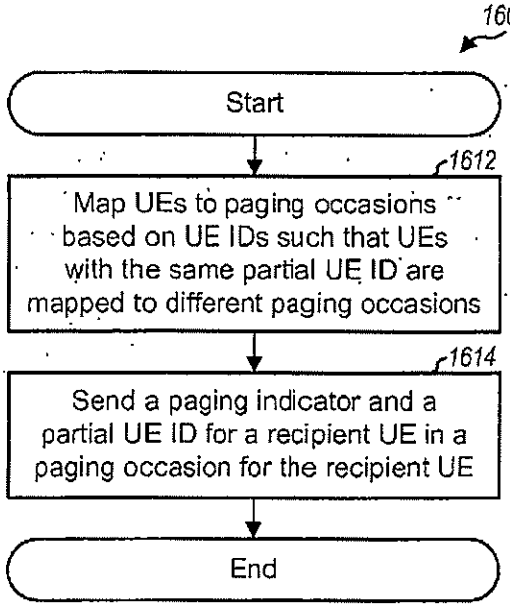


FIG. 16

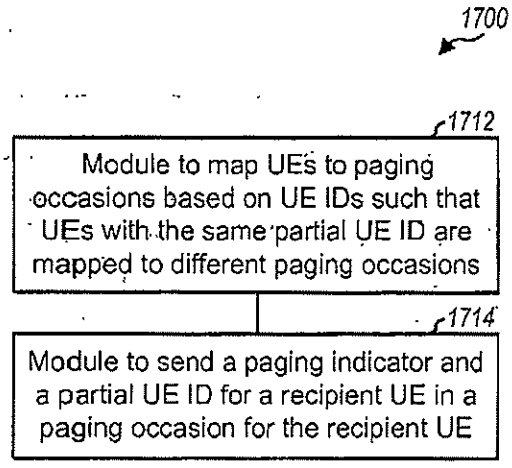


FIG. 17

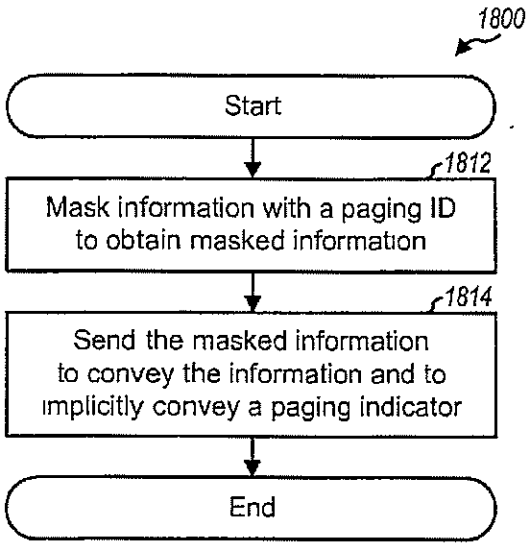

1800
Start
1812
Mask information with a paging ID to obtain masked information
1814
Send the masked information to convey the information and to implicitly convey a paging indicator
End

FIG. 18

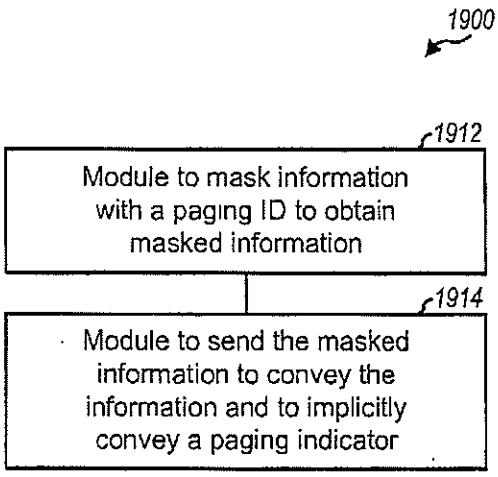

1900
1912
Module to mask information with a paging ID to obtain masked information
1914
Module to send the masked information to convey the information and to implicitly convey a paging indicator

FIG. 19

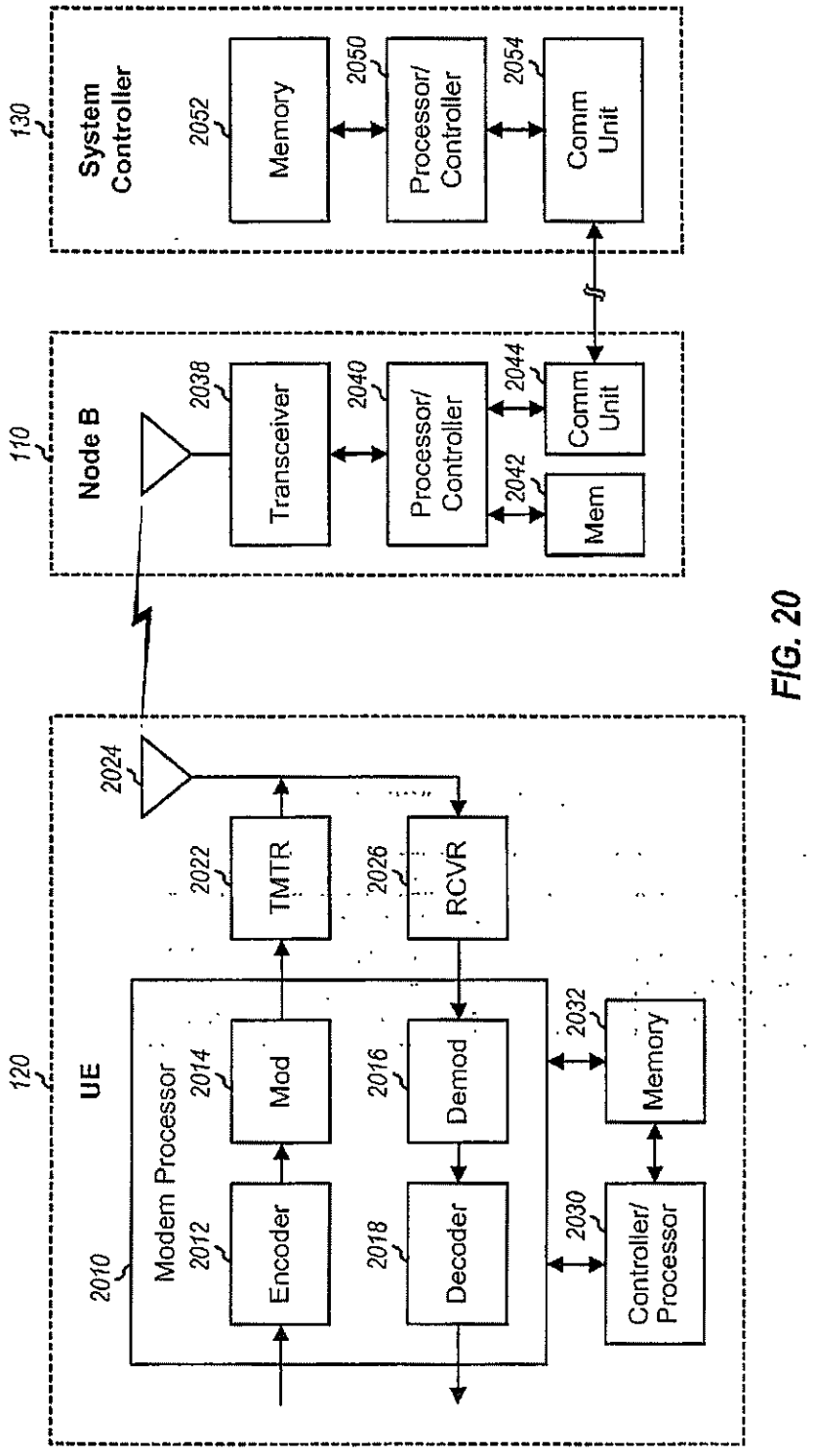

130
System Controller
2052
Memory
2050
Processor/ Controller
2054
Comm Unit
110
Node B
2038
Transceiver
2040
Processor/ Controller
2044
Comm Unit
2042
Mem
120
UE
2024
2022
TMTR
2026
RCVR
2010
Modem Processor
2012
Encoder
2014
Mod
2016
Demod
2018
Decoder
2032
Memory
2030
Controller/ Processor

FIG. 20