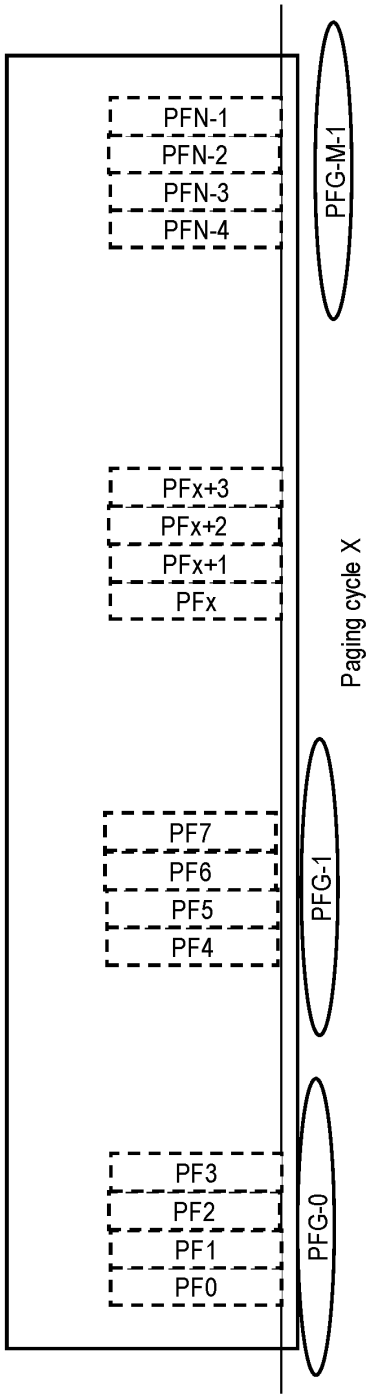

PFN-1
PFN-2
PFN-3
PFN-4
PFG-M-1
PFx+3
PFx+2
PFx+1
PFx
Paging cycle X
PF7
PF6
PF5
PF4
PFG-1
PF3
PF2
PF1
PF0
PFG-0

FIG. 1

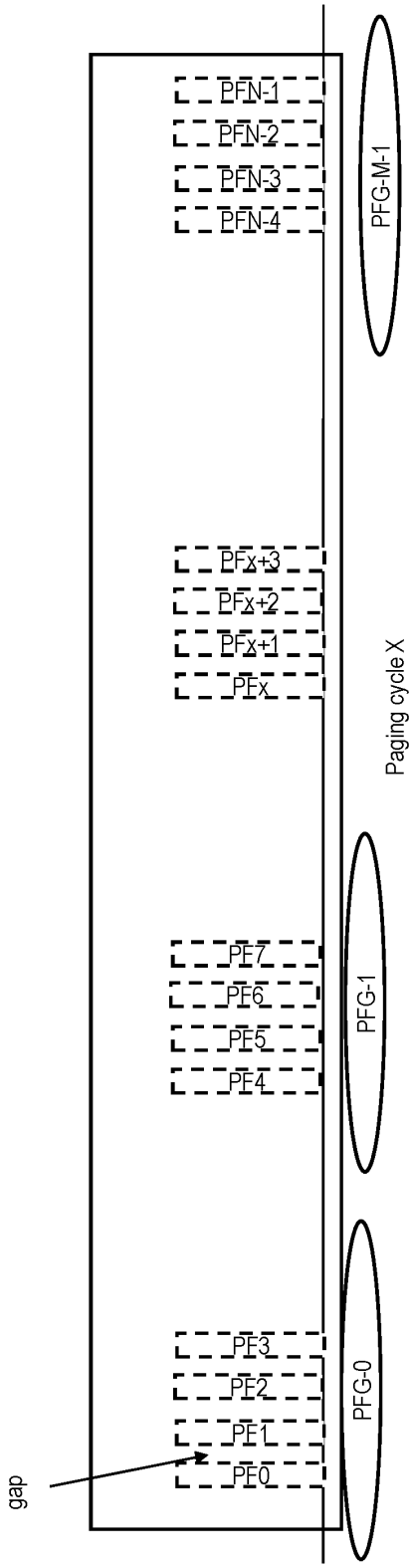

PFN-1
PFN-2
PFN-3
PFN-4
PFG-M-1
PFx+3
PFx+2
PFx+1
PFx
Paging cycle X
PF7
PF6
PF5
PF4
PFG-1
PF3
PF2
PF1
PF0
PFG-0
gap

FIG. 2

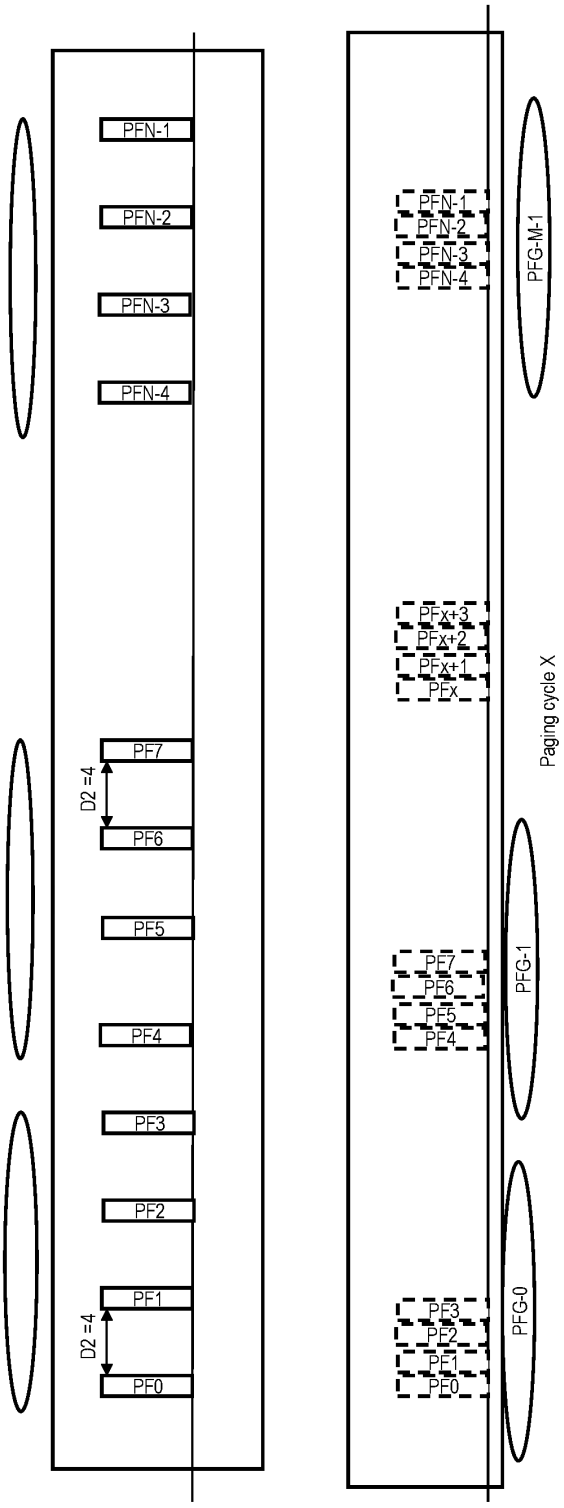

PFN-1
PFN-2
PFN-3
PFN-4
PF7
D2 =4
PF6
PF5
PF4
PF3
PF2
PF1
D2 =4
PF0
PFN-1
PFN-2
PFN-3
PFN-4
PFG-M-1
PFx+3
PFx+2
PFx+1
PFx
Paging cycle X
PF7
PF6
PF5
PF4
PFG-1
PF3
PF2
PF1
PF0
PFG-0

FIG. 3

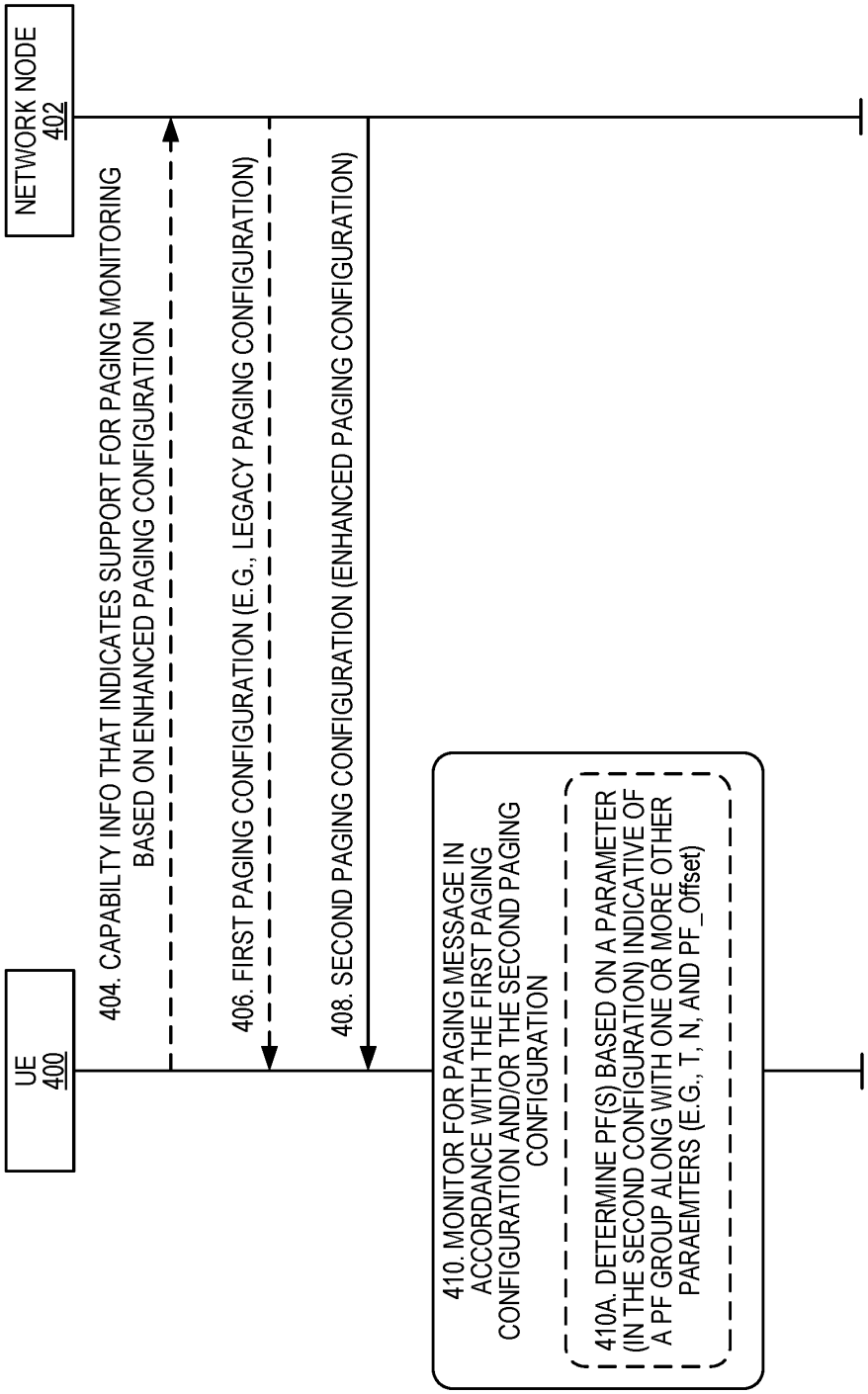

NETWORK NODE
402
UE
400
404. CAPABILTY INFO THAT INDICATES SUPPORT FOR PAGING MONITORING BASED ON ENHANCED PAGING CONFIGURATION
406. FIRST PAGING CONFIGURATION (E.G., LEGACY PAGING CONFIGURATION)
408. SECOND PAGING CONFIGURATION (ENHANCED PAGING CONFIGURATION)
410. MONITOR FOR PAGING MESSAGE IN ACCORDANCE WITH THE FIRST PAGING CONFIGURATION AND/OR THE SECOND PAGING CONFIGURATION
410A. DETERMINE PF(S) BASED ON A PARAMETER (IN THE SECOND CONFIGURATION) INDICATIVE OF A PF GROUP ALONG WITH ONE OR MORE OTHER PARAEMTERS (E.G., T, N, AND PF_Offset)

FIG. 4

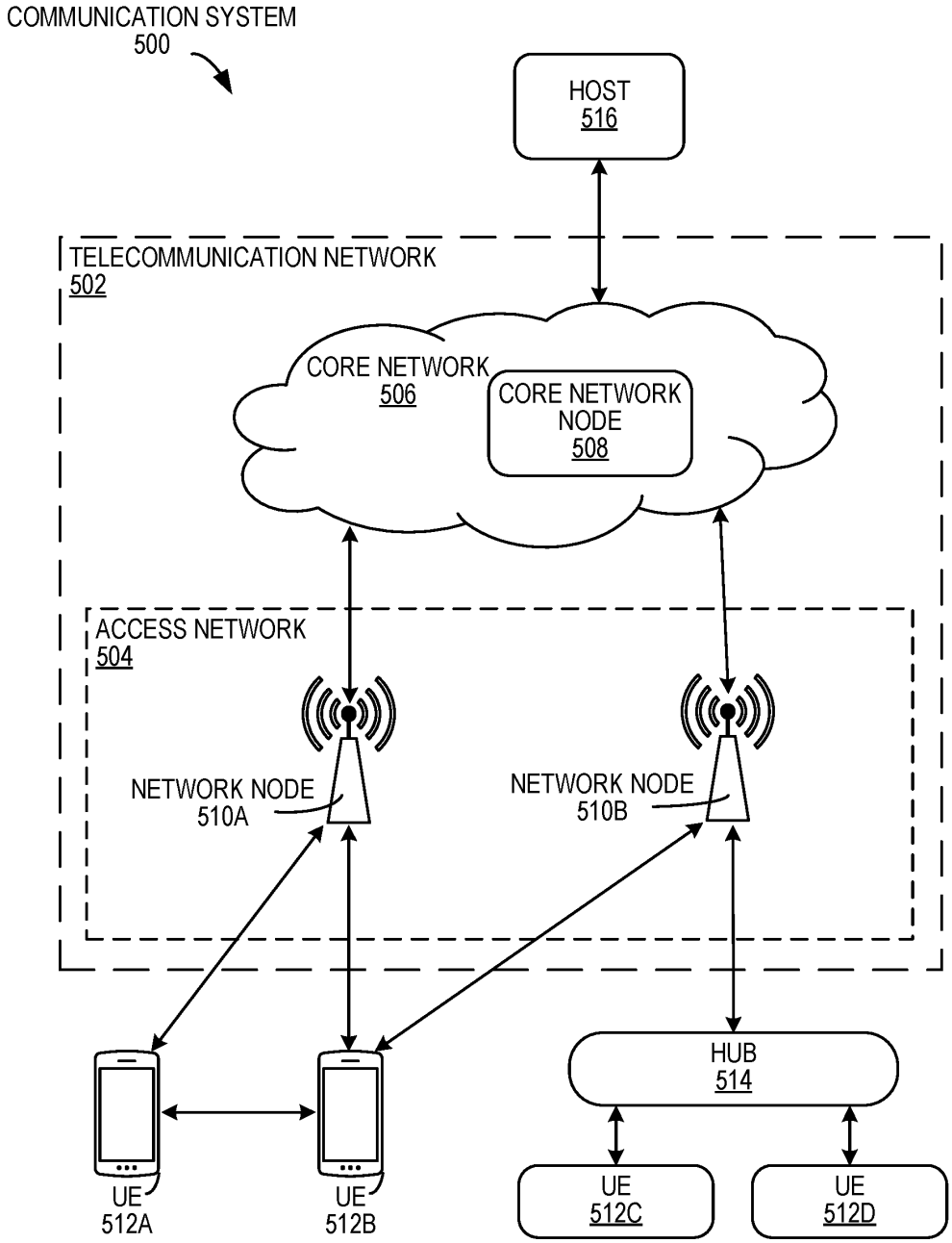

COMMUNICATION SYSTEM
500
HOST
516
TELECOMMUNICATION NETWORK
502
CORE NETWORK
506
CORE NETWORK
NODE
508
ACCESS NETWORK
504
NETWORK NODE
510A
NETWORK NODE
510B
HUB
514
UE
512A
UE
512B
UE
512C
UE
512D

FIG. 5

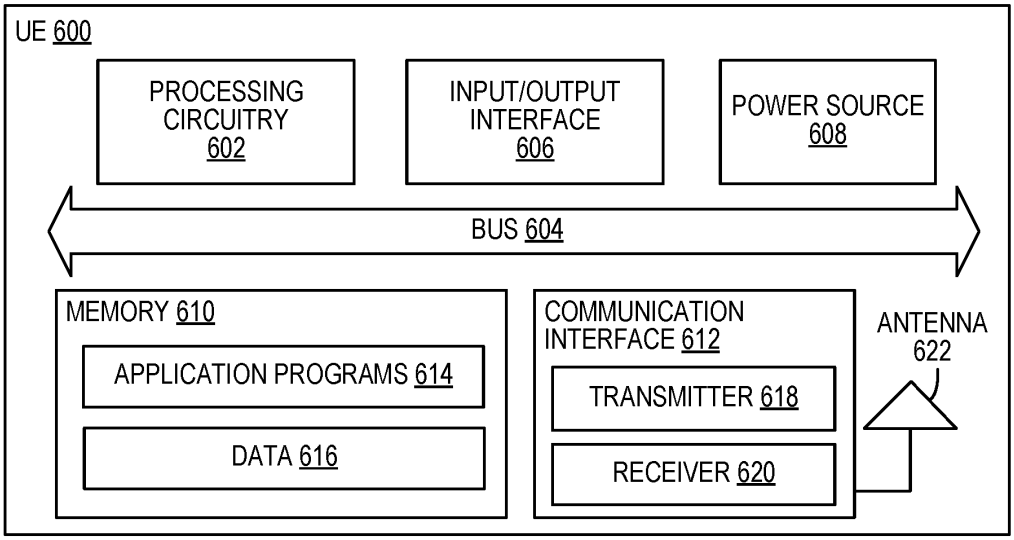

UE 600
PROCESSING CIRCUITRY 602
INPUT/OUTPUT INTERFACE 606
POWER SOURCE 608
BUS 604
MEMORY 610
APPLICATION PROGRAMS 614
DATA 616
COMMUNICATION INTERFACE 612
TRANSMITTER 618
RECEIVER 620
ANTENNA 622

FIG. 6

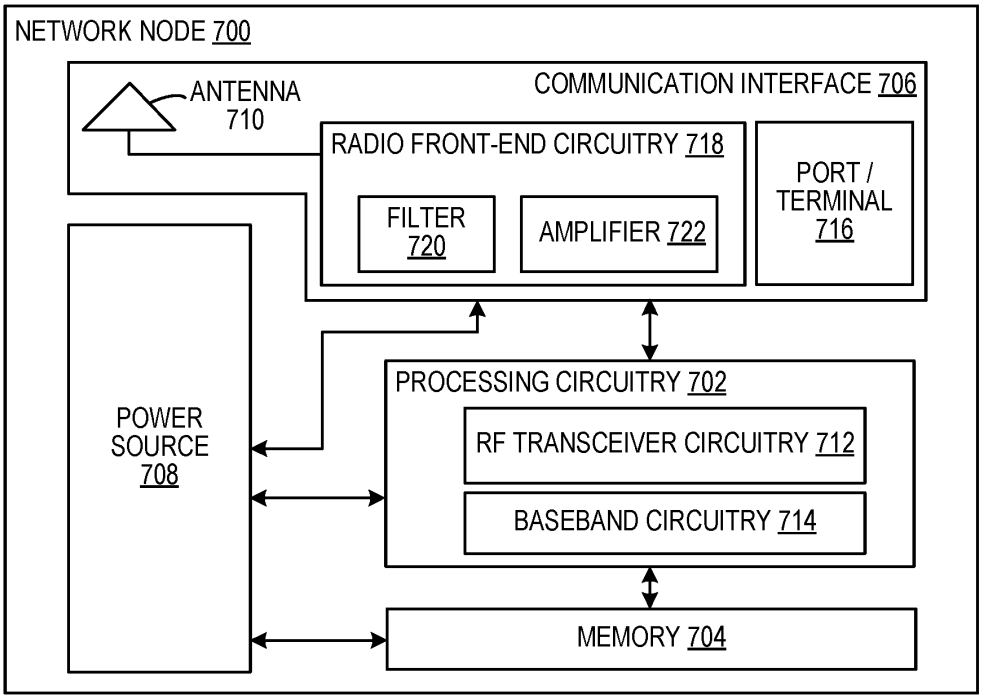

NETWORK NODE 700
ANTENNA 710
COMMUNICATION INTERFACE 706
RADIO FRONT-END CIRCUITRY 718
FILTER 720
AMPLIFIER 722
PORT / TERMINAL 716
POWER SOURCE 708
PROCESSING CIRCUITRY 702
RF TRANSCEIVER CIRCUITRY 712
BASEBAND CIRCUITRY 714
MEMORY 704

FIG. 7

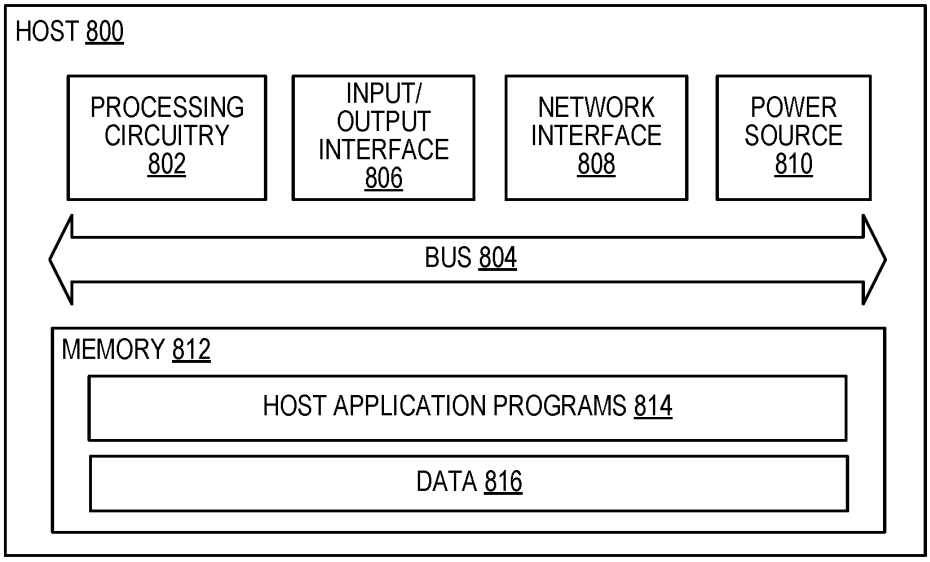

HOST 800
PROCESSING CIRCUITRY 802
INPUT/ OUTPUT INTERFACE 806
NETWORK INTERFACE 808
POWER SOURCE 810
BUS 804
MEMORY 812
HOST APPLICATION PROGRAMS 814
DATA 816

FIG. 8

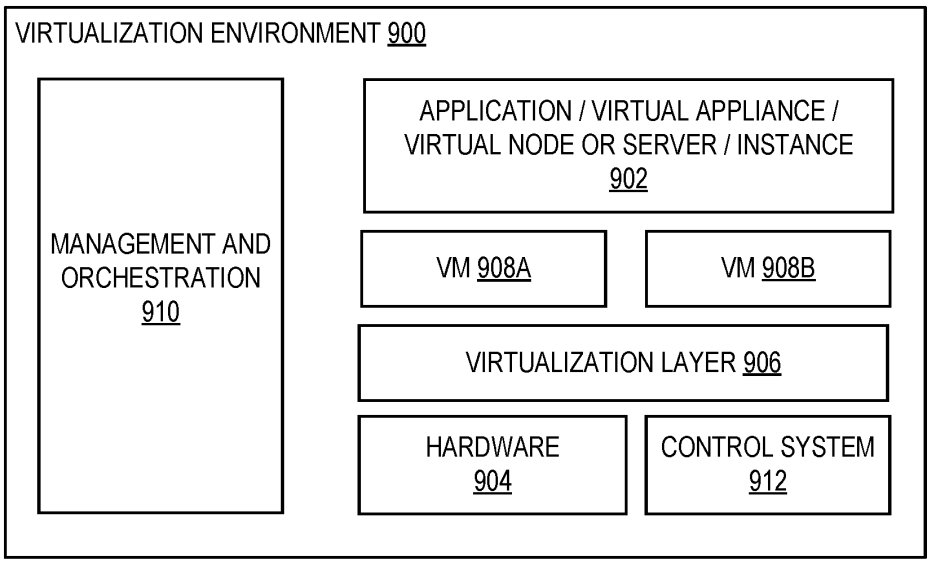

VIRTUALIZATION ENVIRONMENT 900
MANAGEMENT AND ORCHESTRATION 910
APPLICATION / VIRTUAL APPLIANCE / VIRTUAL NODE OR SERVER / INSTANCE 902
VM 908A
VM 908B
VIRTUALIZATION LAYER 906
HARDWARE 904
CONTROL SYSTEM 912

FIG. 9

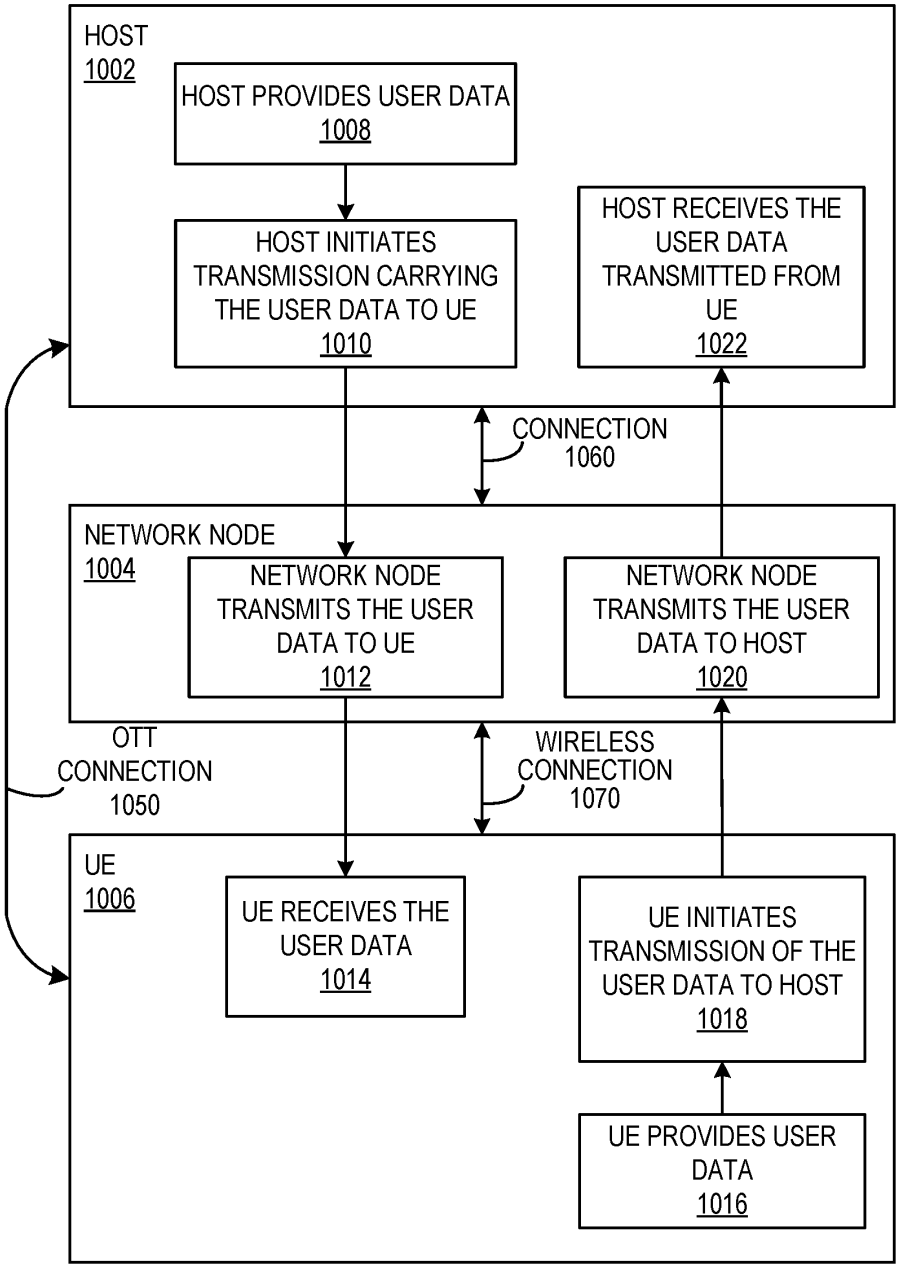

HOST
1002
HOST PROVIDES USER DATA
1008
HOST INITIATES TRANSMISSION CARRYING THE USER DATA TO UE
1010
HOST RECEIVES THE USER DATA TRANSMITTED FROM UE
1022
CONNECTION
1060
NETWORK NODE
1004
NETWORK NODE TRANSMITS THE USER DATA TO UE
1012
NETWORK NODE TRANSMITS THE USER DATA TO HOST
1020
OTT CONNECTION
1050
WIRELESS CONNECTION
1070
UE
1006
UE RECEIVES THE USER DATA
1014
UE INITIATES TRANSMISSION OF THE USER DATA TO HOST
1018
UE PROVIDES USER DATA
1016

FIG. 10