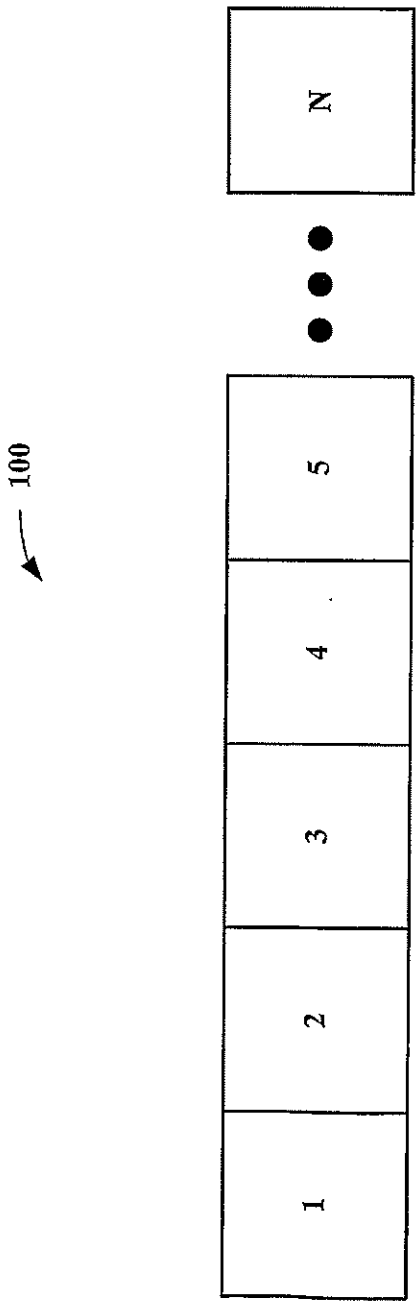


FIG. 1

200

1	1-5
2	2, 3, 7-20
3	6-8, 17
...	
M	16

FIG. 2

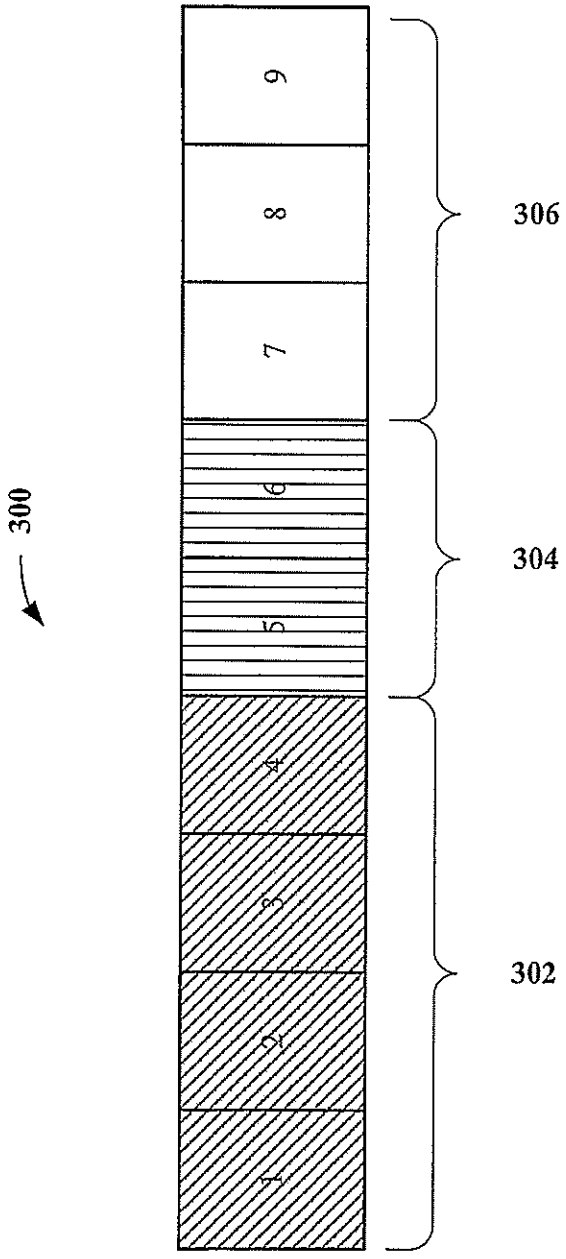


FIG. 3

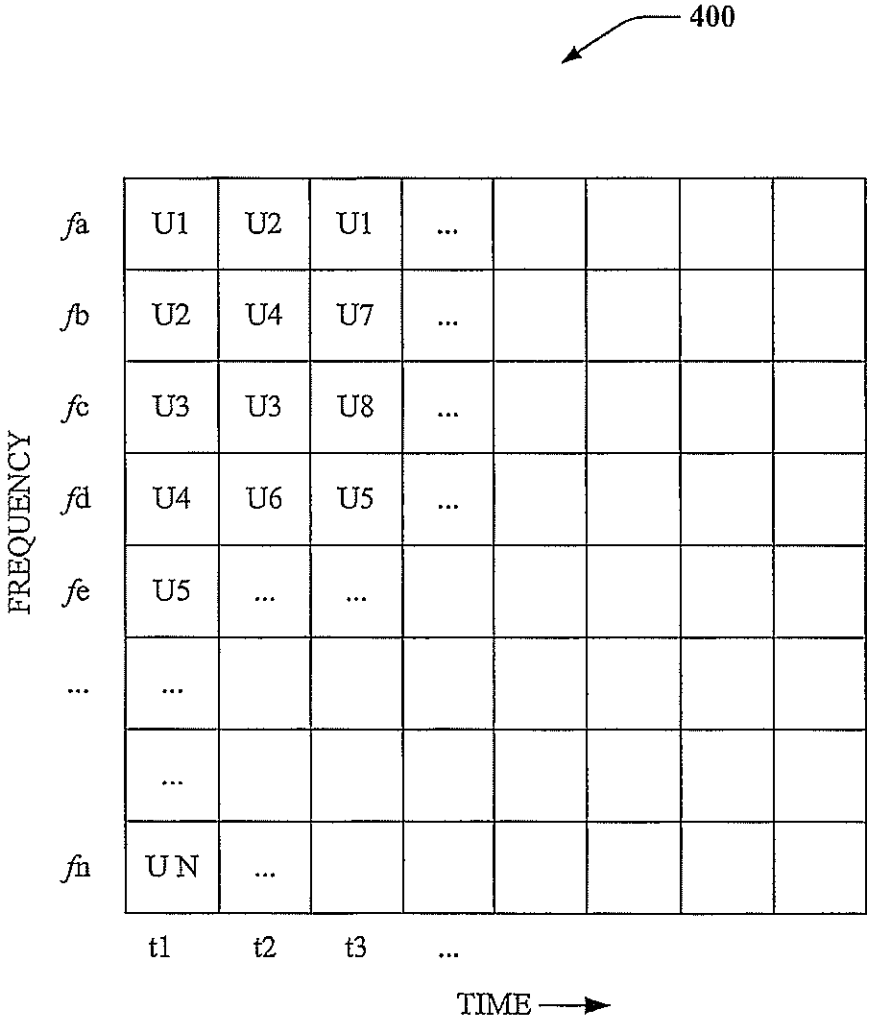

400
FREQUENCY
fa
fb
fc
fd
fe
...
...
fn
U1 U2 U1 ...
U2 U4 U7 ...
U3 U3 U8 ...
U4 U6 U5 ...
U5 ... ...
...
...
U N ...
t1 t2 t3 ...
TIME

FIG. 4

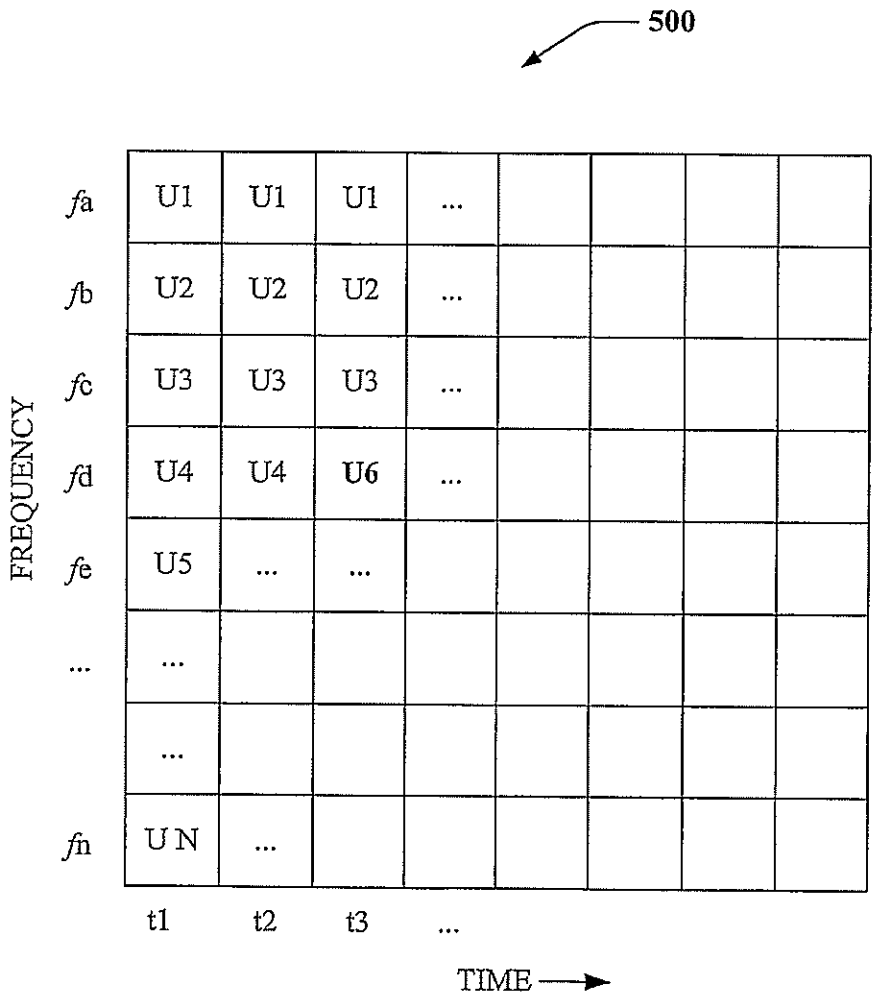

500
FREQUENCY
fa
fb
fc
fd
fe
...
...
fn
U1 U1 U1 ...
U2 U2 U2 ...
U3 U3 U3 ...
U4 U4 U6 ...
U5 ... ...
...
...
U N ...
t1 t2 t3 ...
TIME

FIG. 5

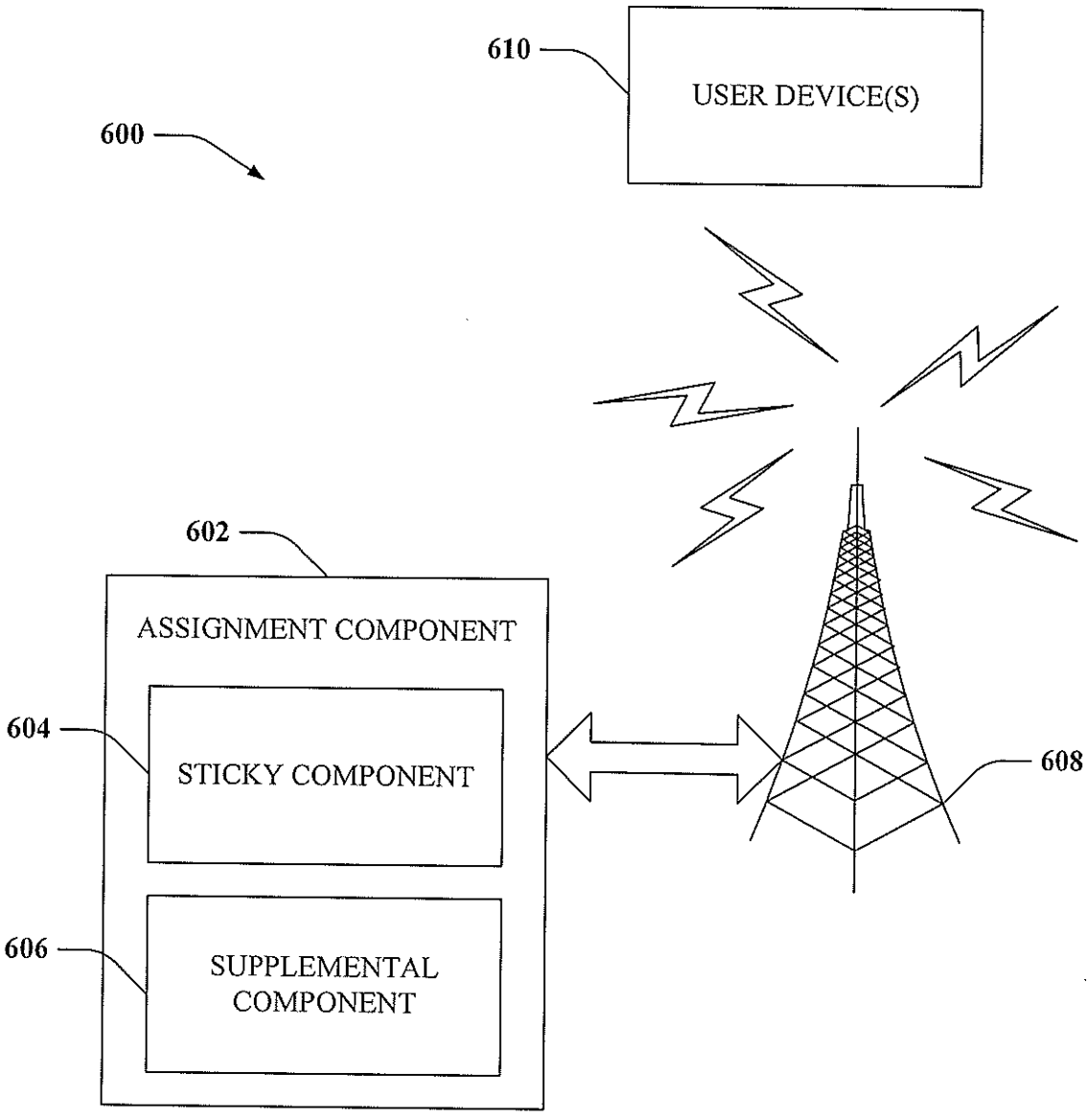

610
USER DEVICE(S)
600
602
ASSIGNMENT COMPONENT
604
STICKY COMPONENT
606
SUPPLEMENTAL COMPONENT
608

FIG. 6

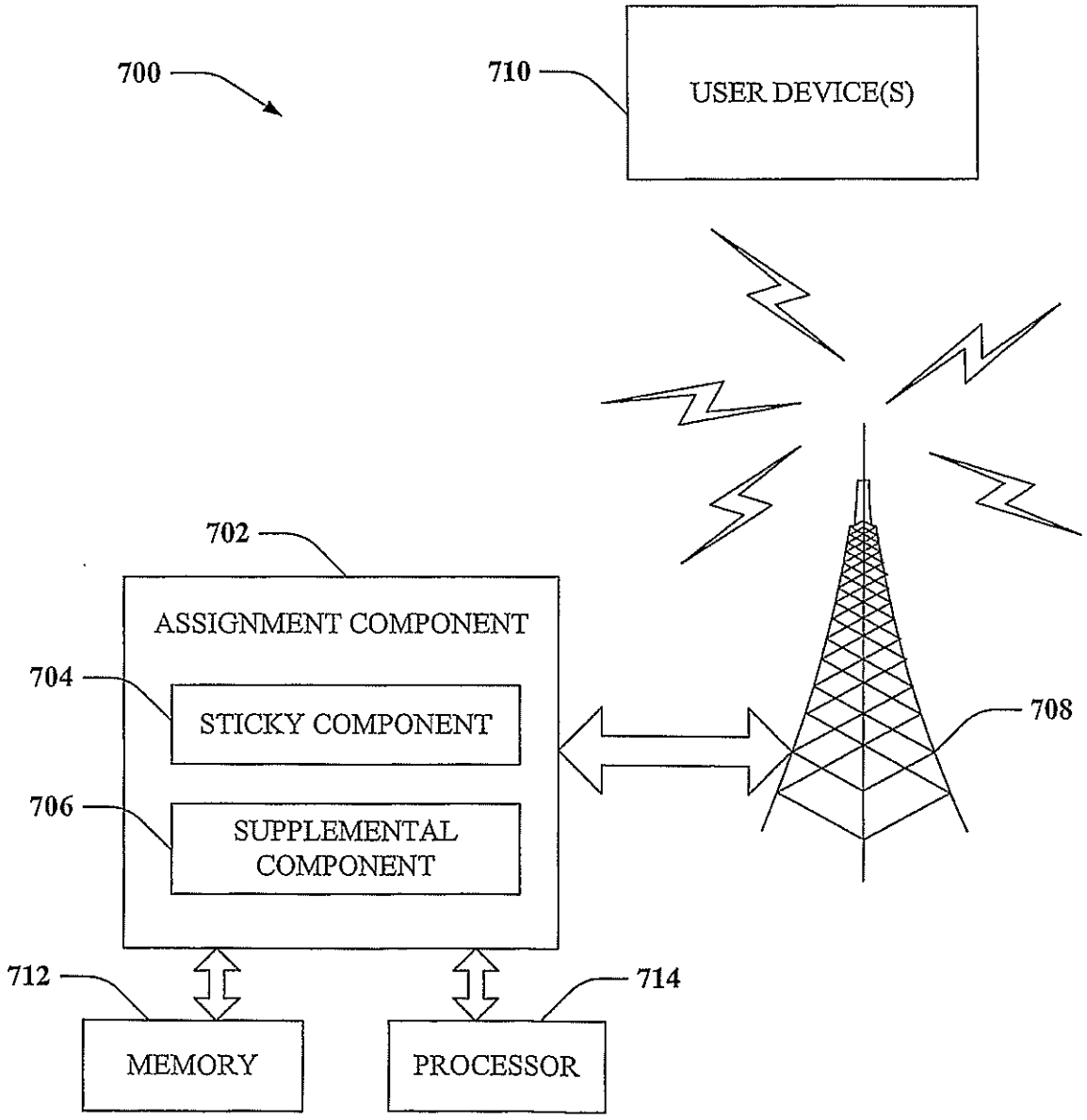

700
710
USER DEVICE(S)
702
ASSIGNMENT COMPONENT
704
STICKY COMPONENT
706
SUPPLEMENTAL COMPONENT
708
712
714
MEMORY
PROCESSOR

FIG. 7

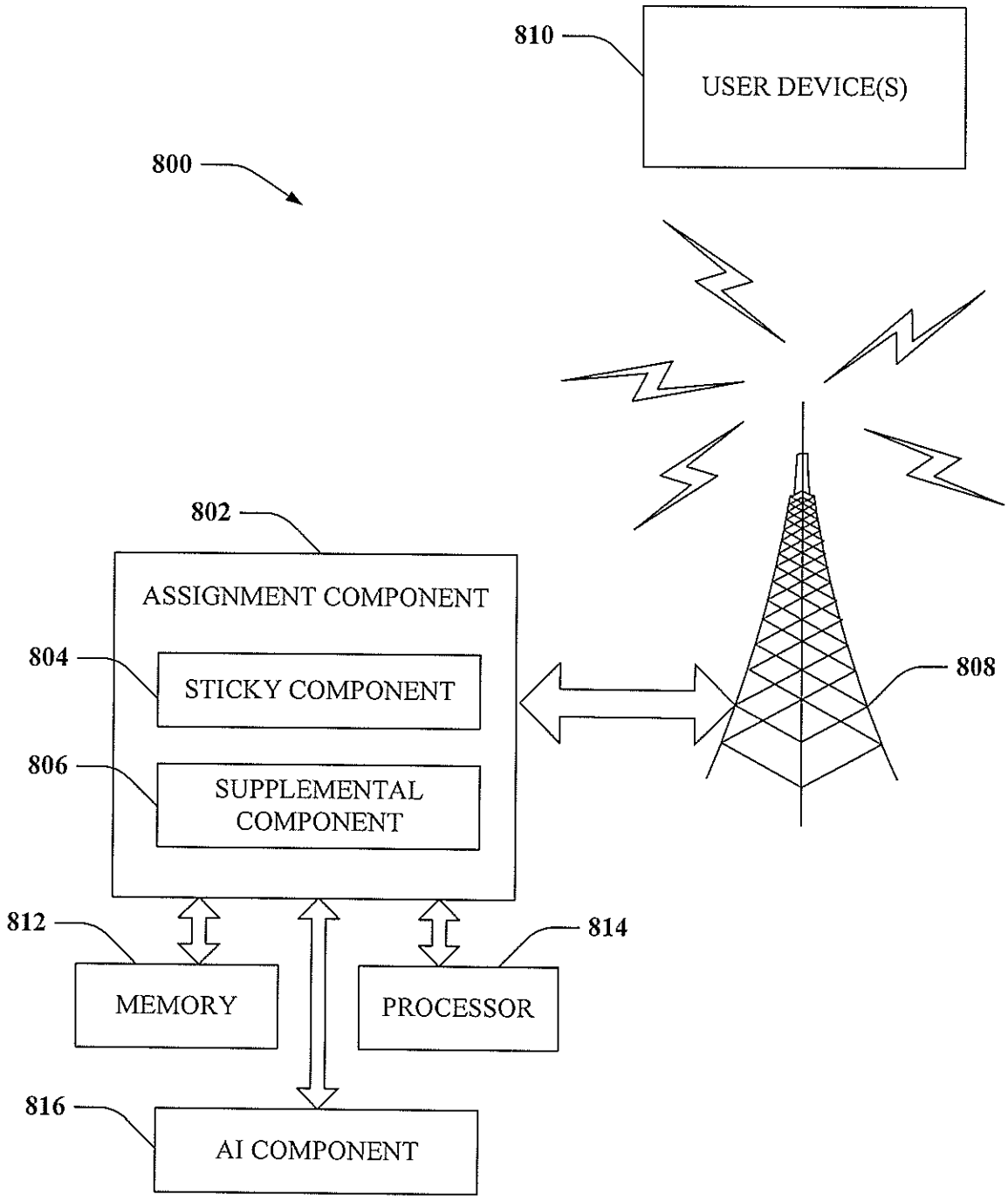

810
USER DEVICE(S)
800
802
ASSIGNMENT COMPONENT
804
STICKY COMPONENT
806
SUPPLEMENTAL COMPONENT
808
812
MEMORY
814
PROCESSOR
816
AI COMPONENT

FIG. 8

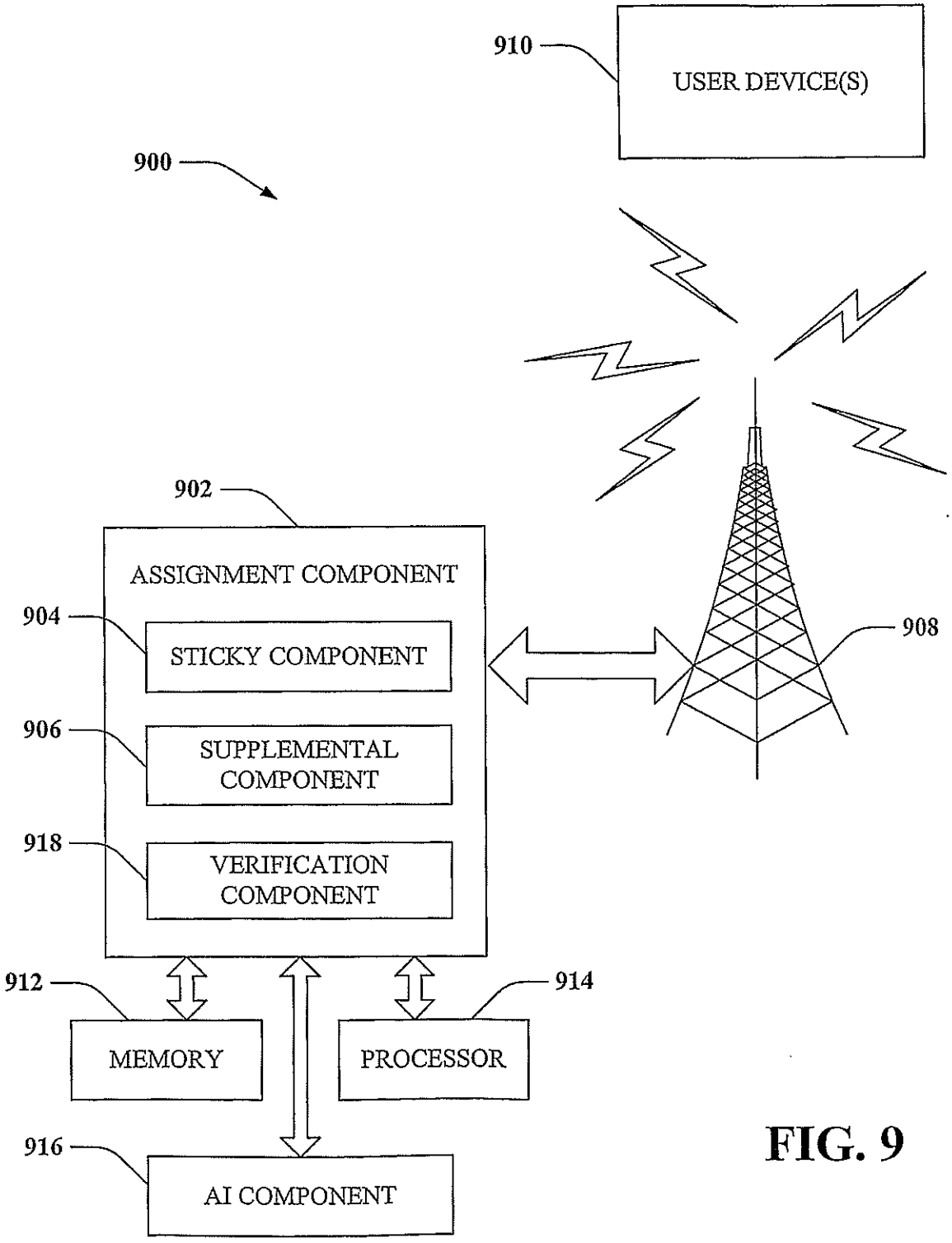

910
USER DEVICE(S)
900
902
ASSIGNMENT COMPONENT
904
STICKY COMPONENT
906
SUPPLEMENTAL COMPONENT
918
VERIFICATION COMPONENT
908
912
914
MEMORY
PROCESSOR
916
AI COMPONENT

FIG. 9

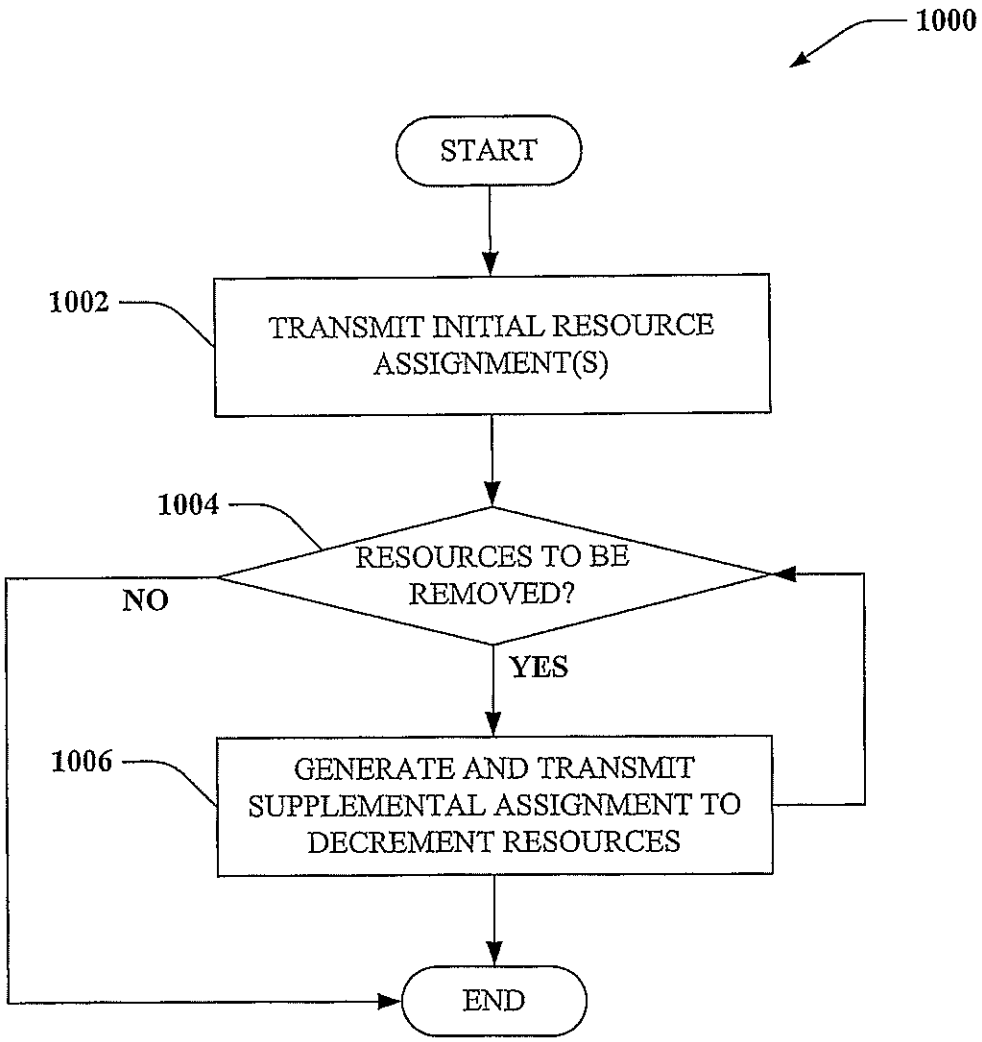

1000
START
1002
TRANSMIT INITIAL RESOURCE ASSIGNMENT(S)
1004
RESOURCES TO BE REMOVED?
NO
YES
1006
GENERATE AND TRANSMIT SUPPLEMENTAL ASSIGNMENT TO DECREMENT RESOURCES
END

FIG. 10

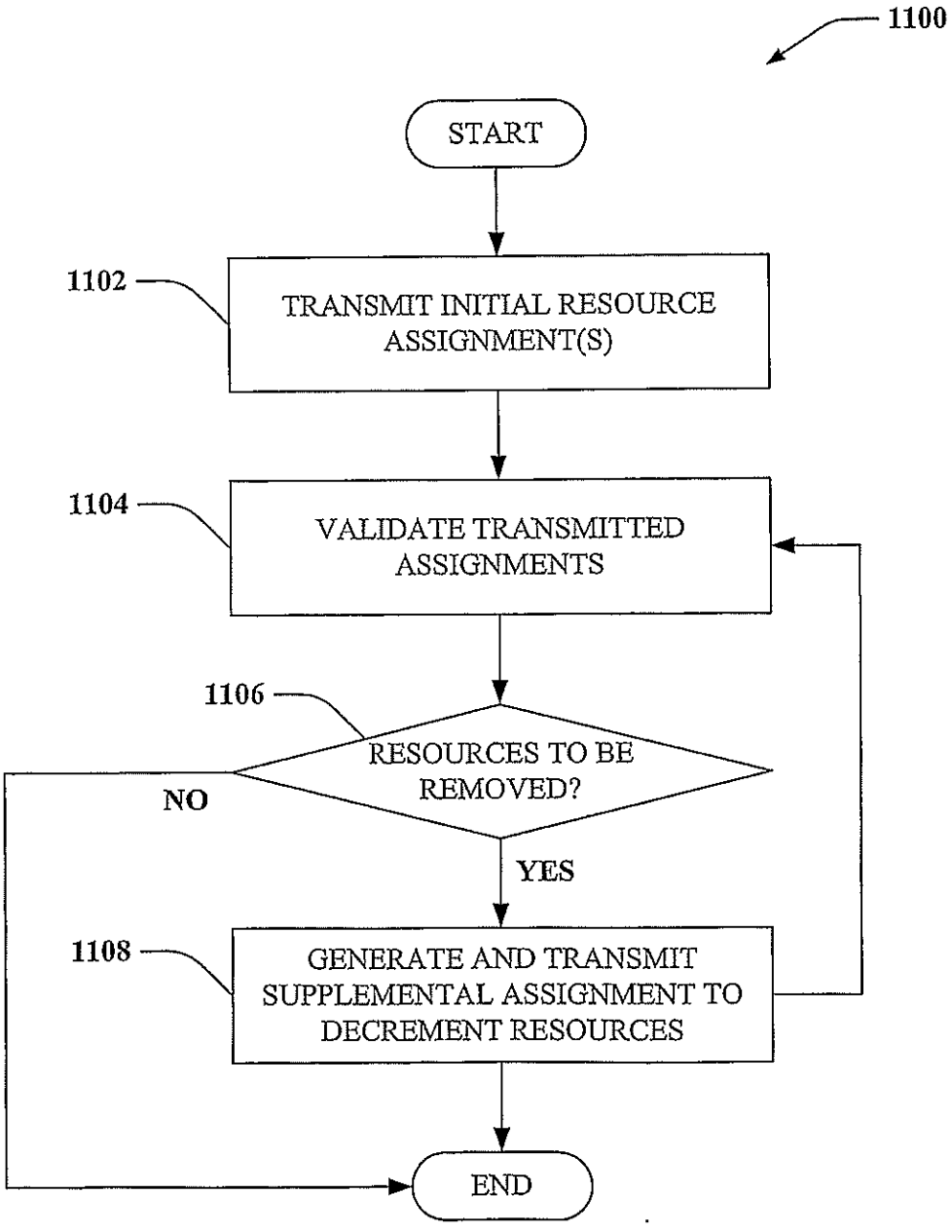

1100
START
1102
TRANSMIT INITIAL RESOURCE ASSIGNMENT(S)
1104
VALIDATE TRANSMITTED ASSIGNMENTS
1106
RESOURCES TO BE REMOVED?
NO
YES
1108
GENERATE AND TRANSMIT SUPPLEMENTAL ASSIGNMENT TO DECREMENT RESOURCES
END

FIG. 11

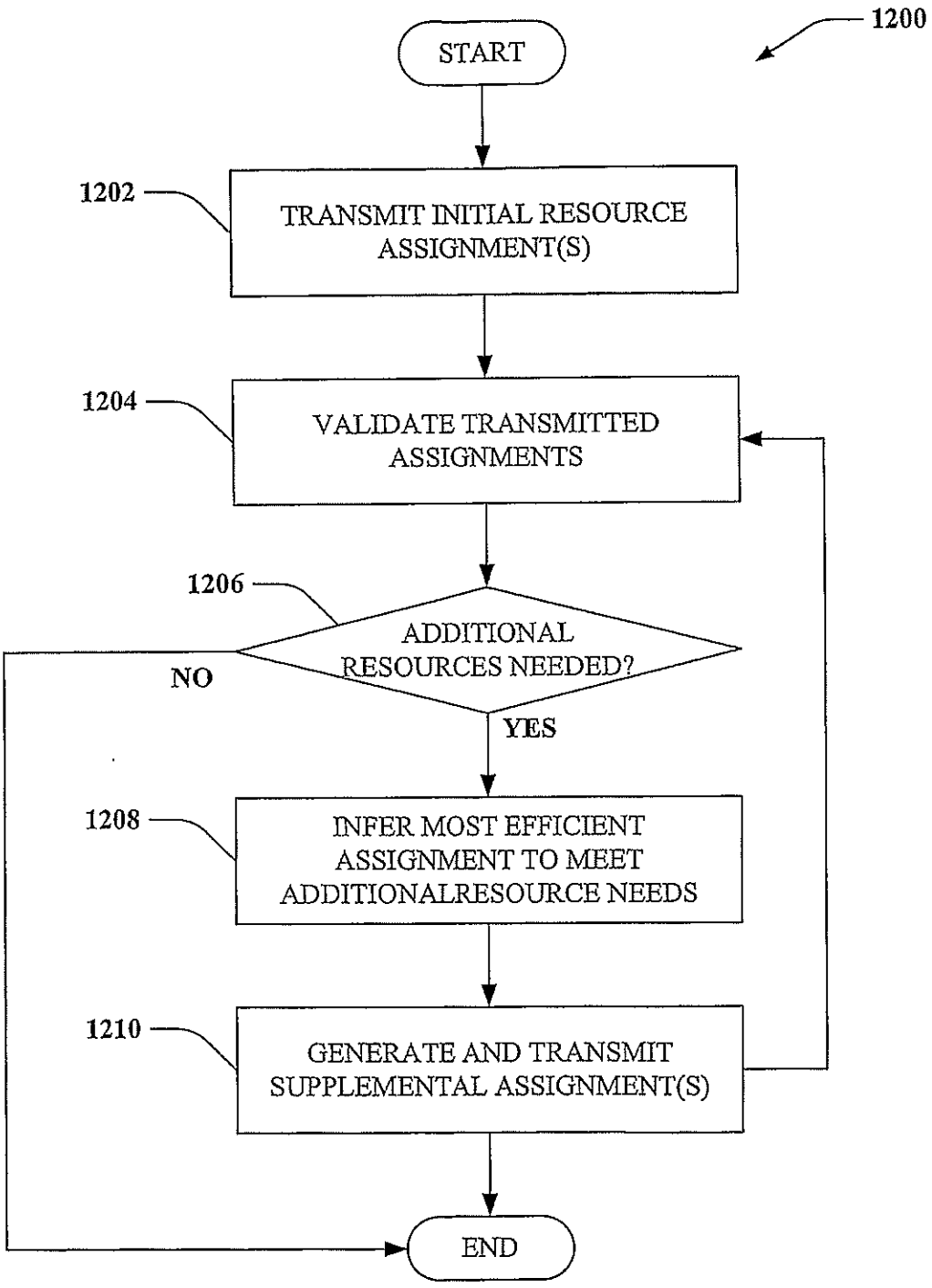

1200
START
1202
TRANSMIT INITIAL RESOURCE ASSIGNMENT(S)
1204
VALIDATE TRANSMITTED ASSIGNMENTS
1206
ADDITIONAL RESOURCES NEEDED?
NO
YES
1208
INFER MOST EFFICIENT ASSIGNMENT TO MEET ADDITIONALRESOURCE NEEDS
1210
GENERATE AND TRANSMIT SUPPLEMENTAL ASSIGNMENT(S)
END

FIG. 12

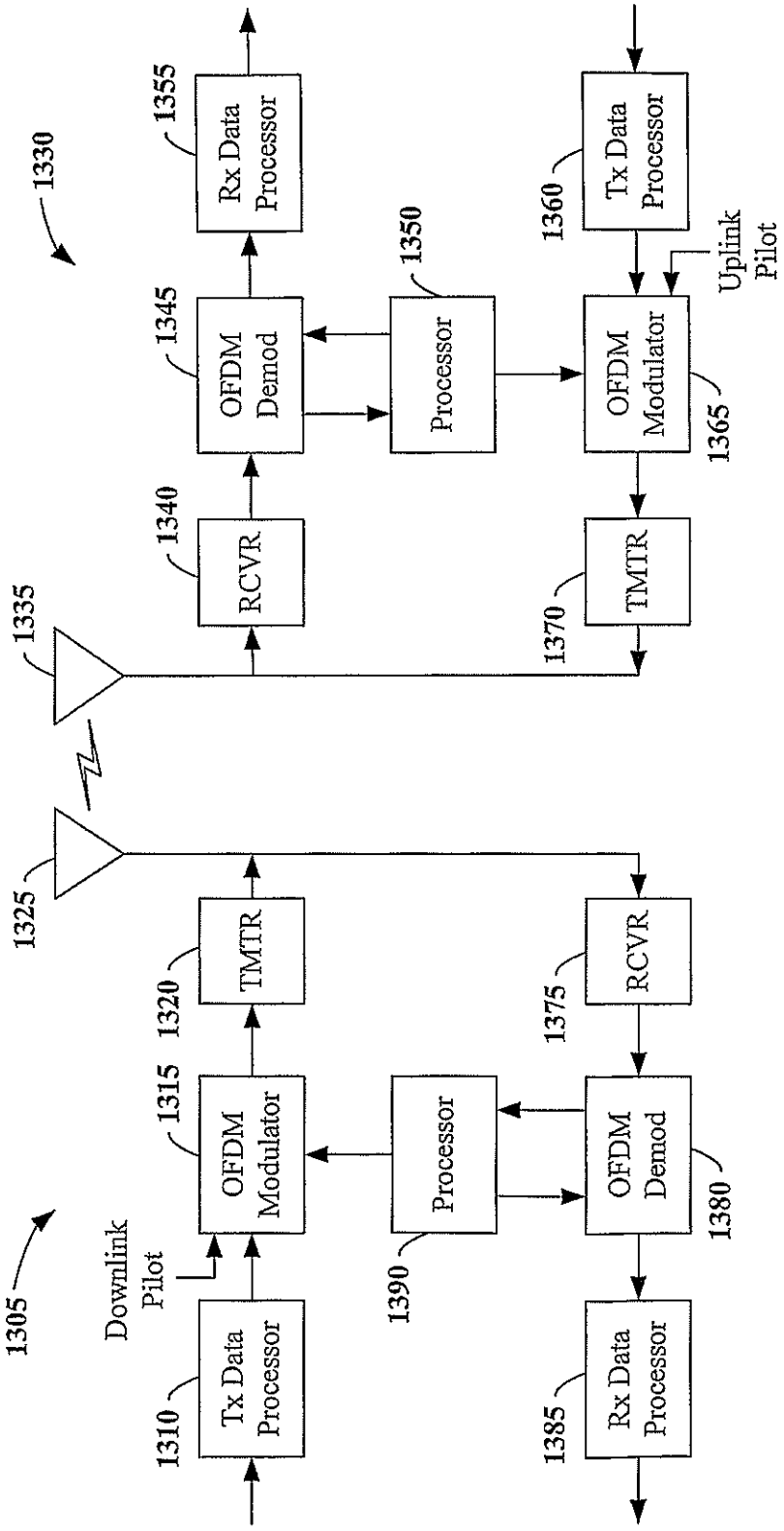

1300
1305
1310
Tx Data Processor
Downlink Pilot
1315
OFDM Modulator
1320
TMTR
1325
1330
1335
1340
RCVR
1345
OFDM Demod
1350
Processor
1355
Rx Data Processor
1360
Tx Data Processor
Uplink Pilot
1365
OFDM Modulator
1370
TMTR
1375
RCVR
1380
OFDM Demod
1385
Rx Data Processor
1390
Processor

FIG. 13

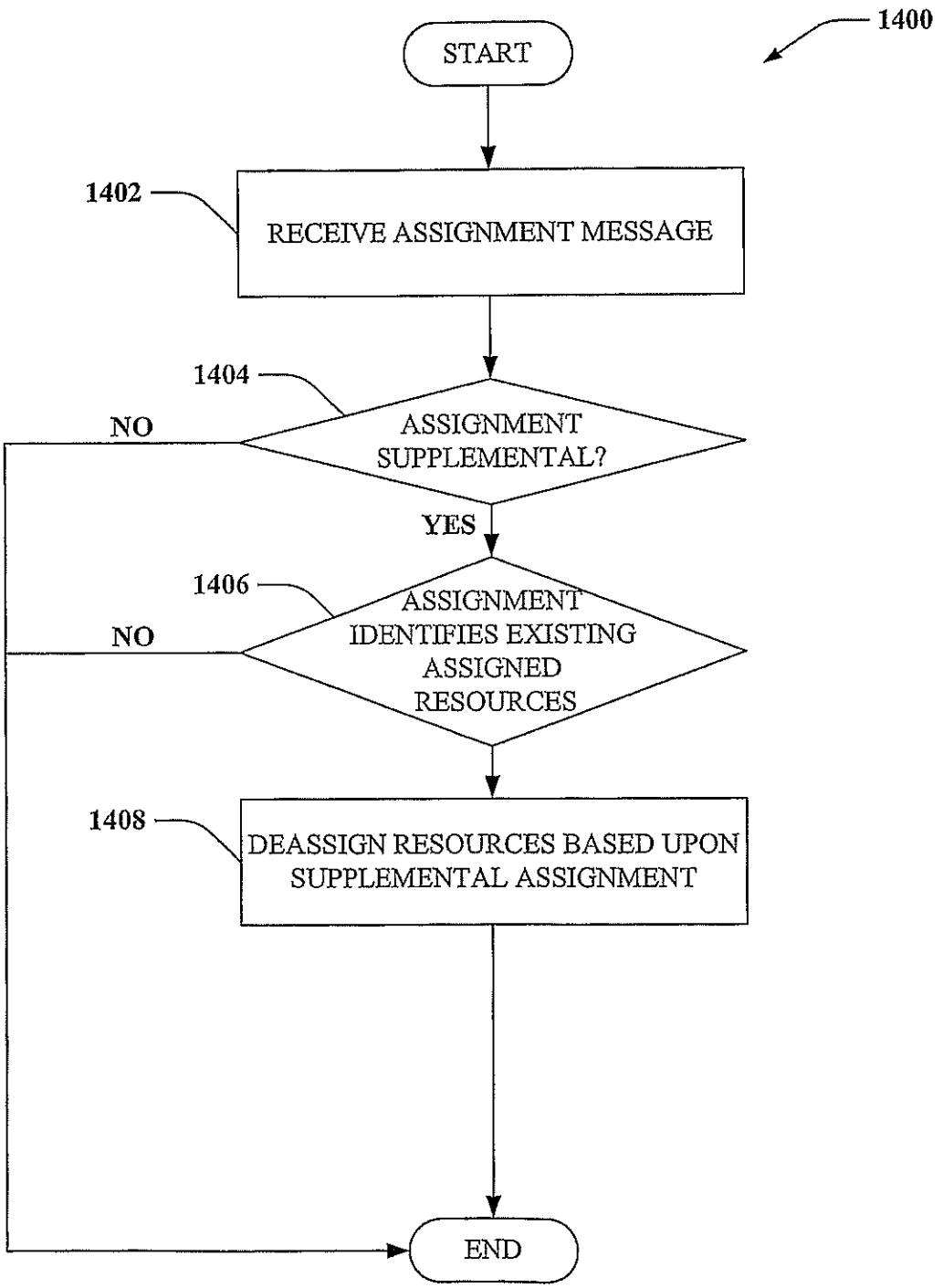

1400
START
1402
RECEIVE ASSIGNMENT MESSAGE
1404
ASSIGNMENT SUPPLEMENTAL?
NO
YES
1406
ASSIGNMENT IDENTIFIES EXISTING ASSIGNED RESOURCES
NO
1408
DEASSIGN RESOURCES BASED UPON SUPPLEMENTAL ASSIGNMENT
END

FIG. 14

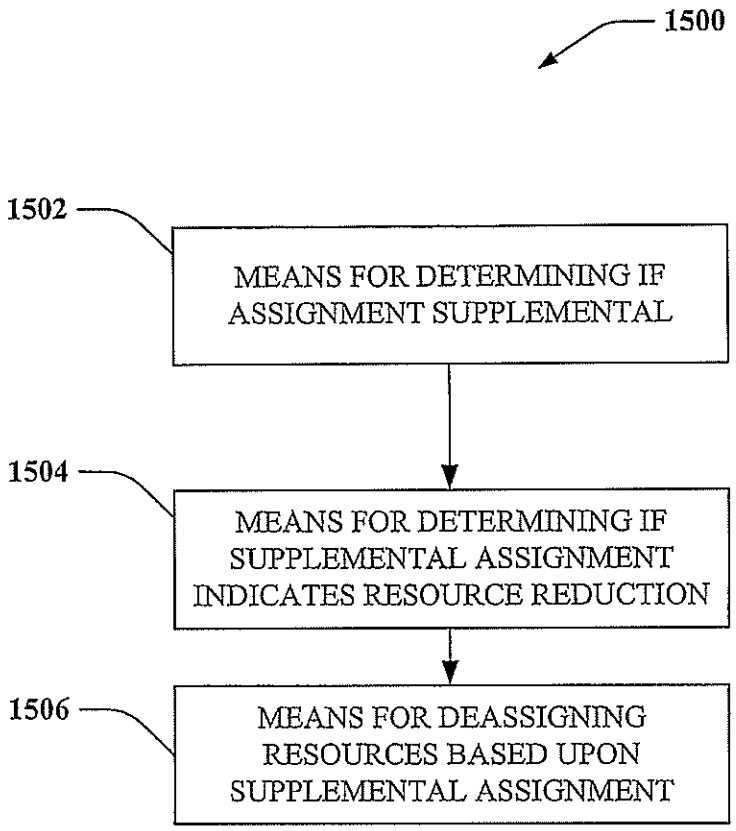

1500
1502
MEANS FOR DETERMINING IF ASSIGNMENT SUPPLEMENTAL
1504
MEANS FOR DETERMINING IF SUPPLEMENTAL ASSIGNMENT INDICATES RESOURCE REDUCTION
1506
MEANS FOR DEASSIGNING RESOURCES BASED UPON SUPPLEMENTAL ASSIGNMENT

FIG. 15