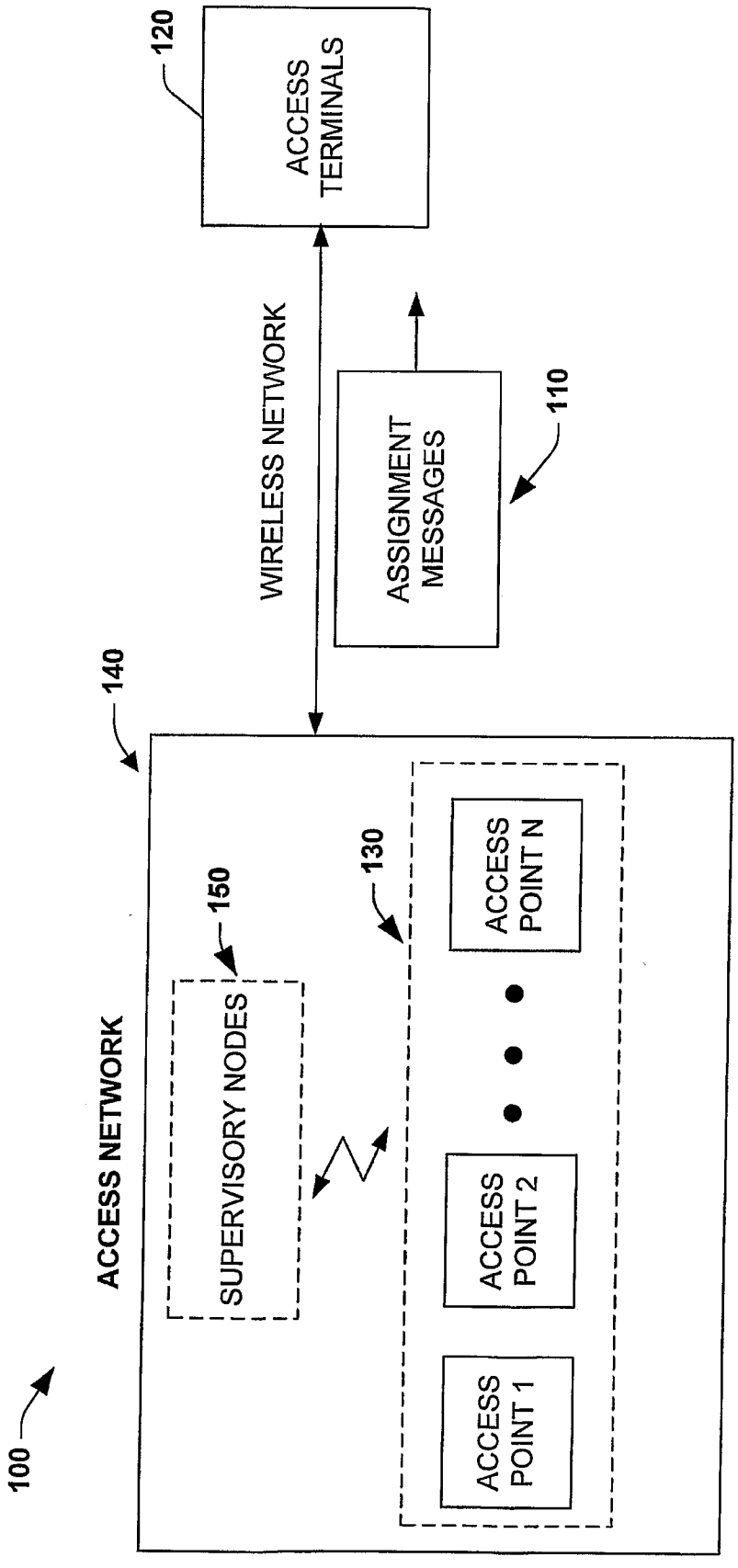

100
ACCESS NETWORK
140
SUPERVISORY NODES
150
130
ACCESS POINT 1
ACCESS POINT 2
ACCESS POINT N
WIRELESS NETWORK
ASSIGNMENT MESSAGES
110
ACCESS TERMINALS
120

FIG. 1

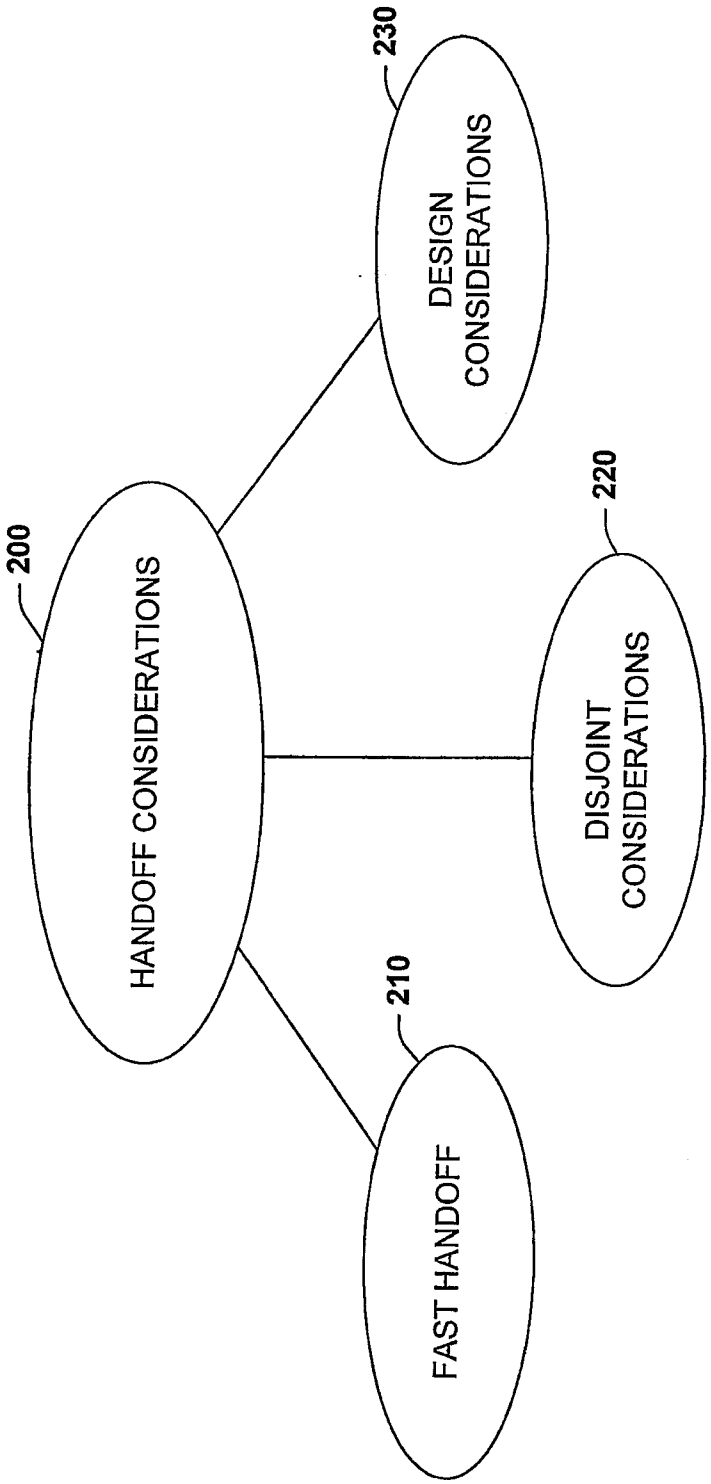

200
HANDOFF CONSIDERATIONS
210
FAST HANDOFF
220
DISJOINT CONSIDERATIONS
230
DESIGN CONSIDERATIONS

FIG. 2

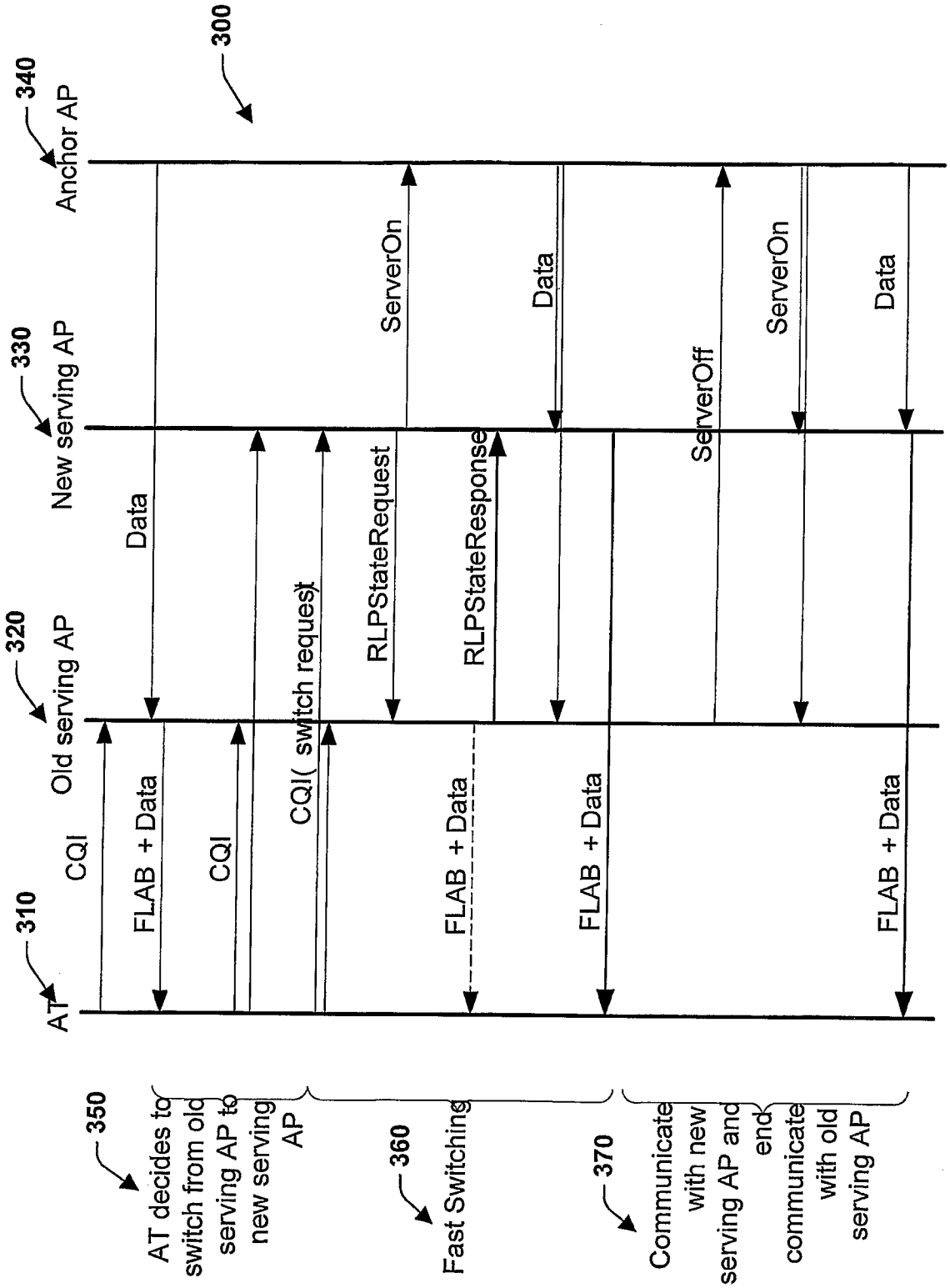

300
340
Anchor AP
330
New serving AP
320
Old serving AP
310
AT
CQI
FLAB + Data
CQI
CQI(switch request)
Data
RLPStateRequest
RLPStateResponse
ServerOn
Data
FLAB + Data
FLAB + Data
ServerOff
ServerOn
Data
FLAB + Data
350
AT decides to switch from old serving AP to new serving AP
360
Fast Switching
370
Communicate with new serving AP and end communicate with old serving AP

FIG. 3

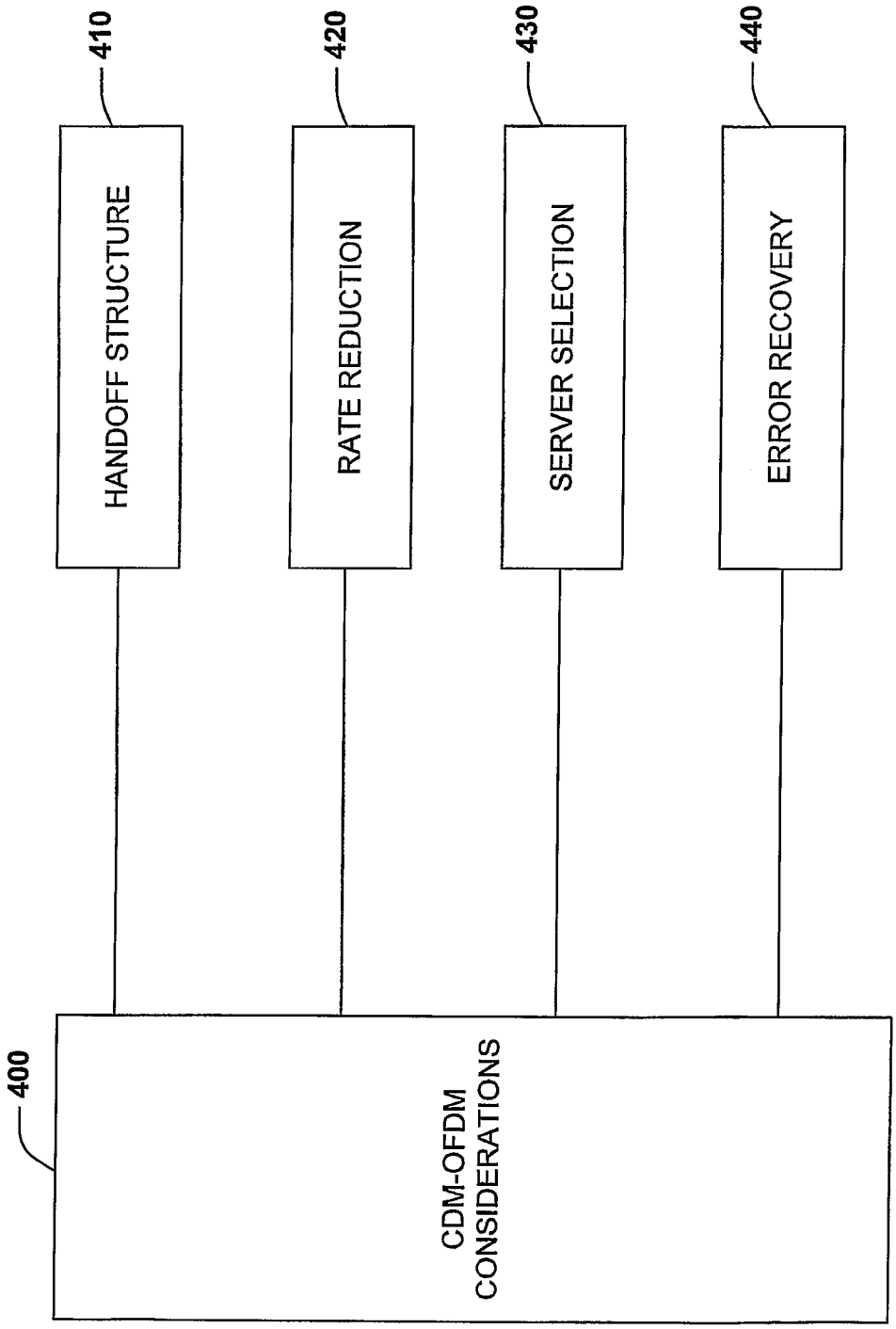

400
CDM-OFDM CONSIDERATIONS
410
HANDOFF STRUCTURE
420
RATE REDUCTION
430
SERVER SELECTION
440
ERROR RECOVERY

FIG. 4

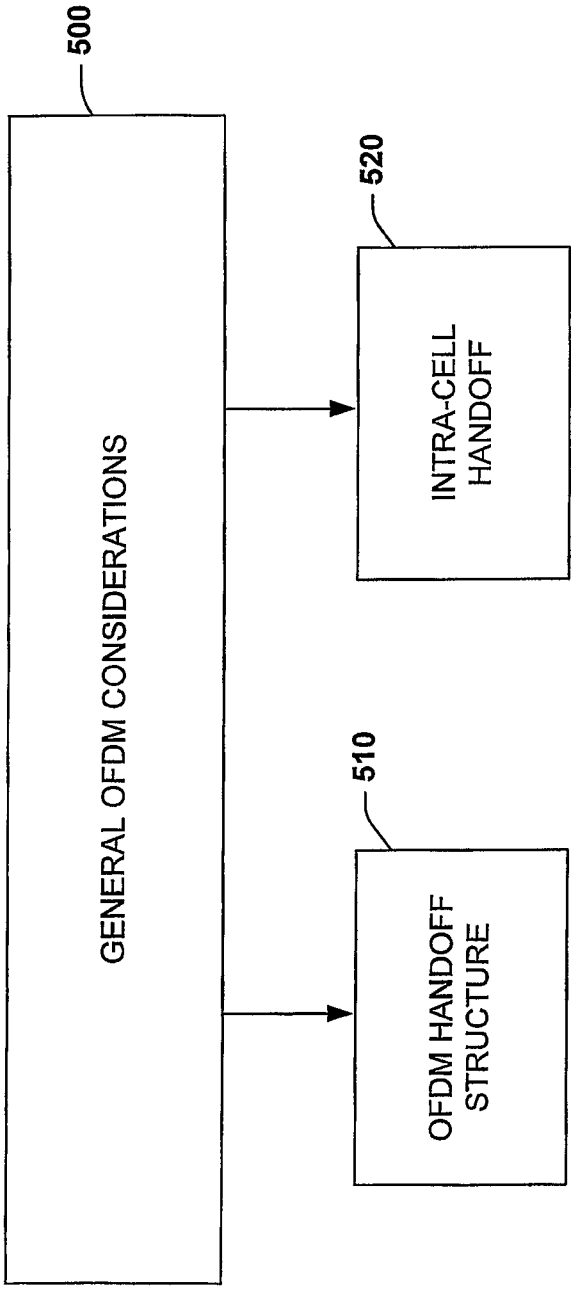

500
GENERAL OFDM CONSIDERATIONS
520
INTRA-CELL HANDOFF
510
OFDM HANDOFF STRUCTURE

FIG. 5

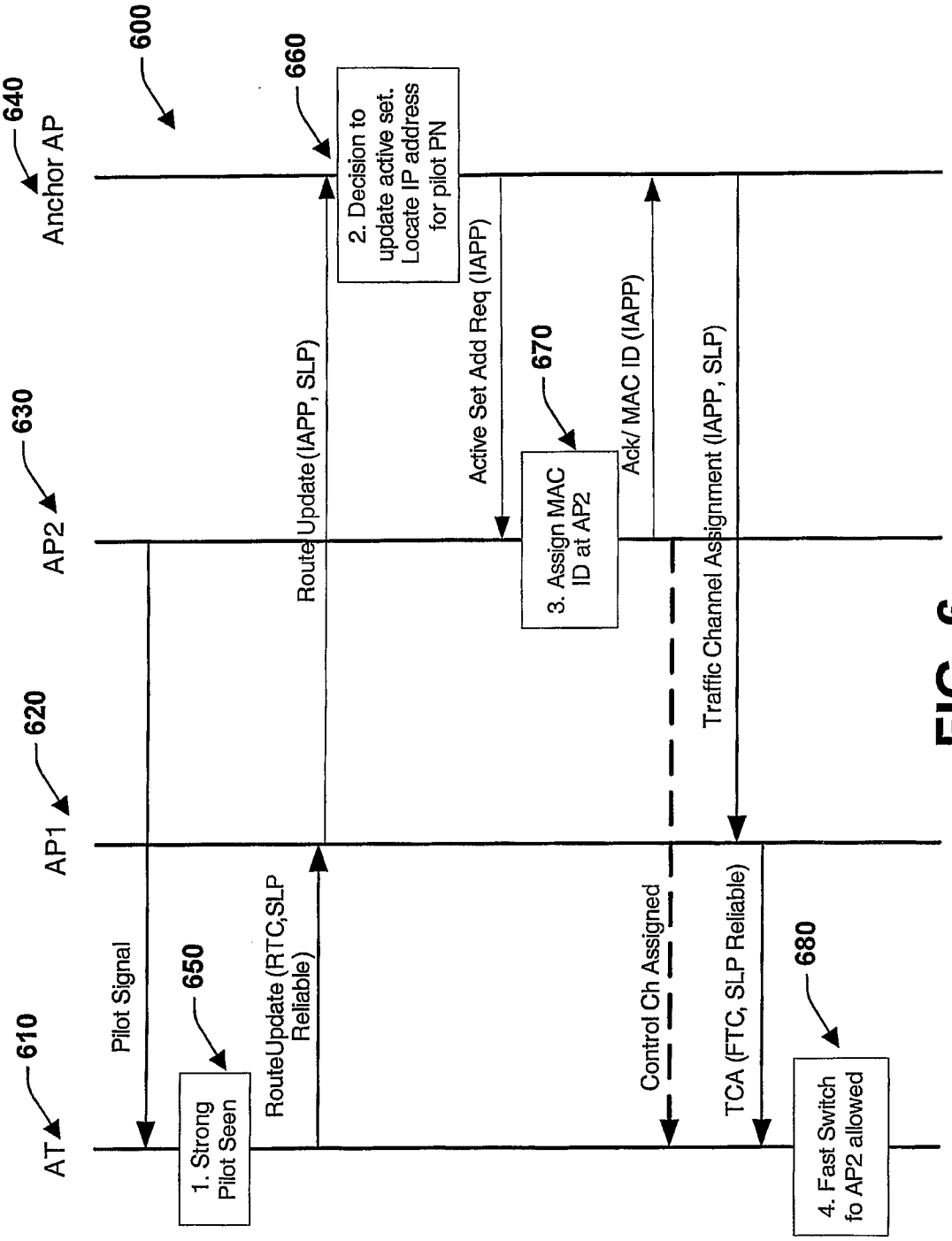

600
640
Anchor AP
660
2. Decision to update active set. Locate IP address for pilot PN
630
AP2
Route Update (IAPP, SLP)
Active Set Add Req (IAPP)
670
3. Assign MAC ID at AP2
Ack/ MAC ID (IAPP)
Traffic Channel Asignment (IAPP, SLP)
620
AP1
Pilot Signal
650
RouteUpdate (RTC,SLP Reliable)
Control Ch Assigned
TCA (FTC, SLP Reliable)
680
610
AT
1. Strong Pilot Seen
4. Fast Switch fo AP2 allowed

FIG. 6

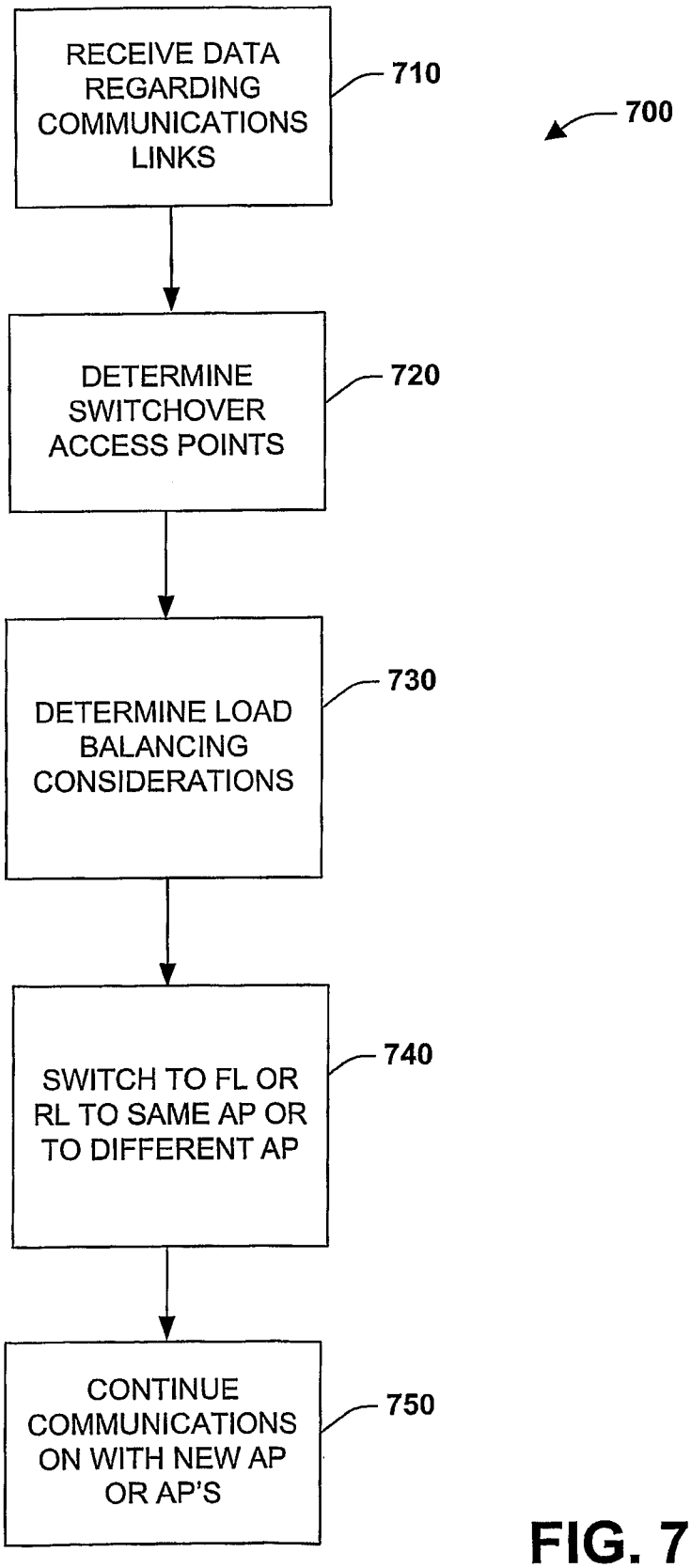

RECEIVE DATA REGARDING COMMUNICATIONS LINKS
710
700
DETERMINE SWITCHOVER ACCESS POINTS
720
DETERMINE LOAD BALANCING CONSIDERATIONS
730
SWITCH TO FL OR RL TO SAME AP OR TO DIFFERENT AP
740
CONTINUE COMMUNICATIONS ON WITH NEW AP OR AP'S
750

FIG. 7

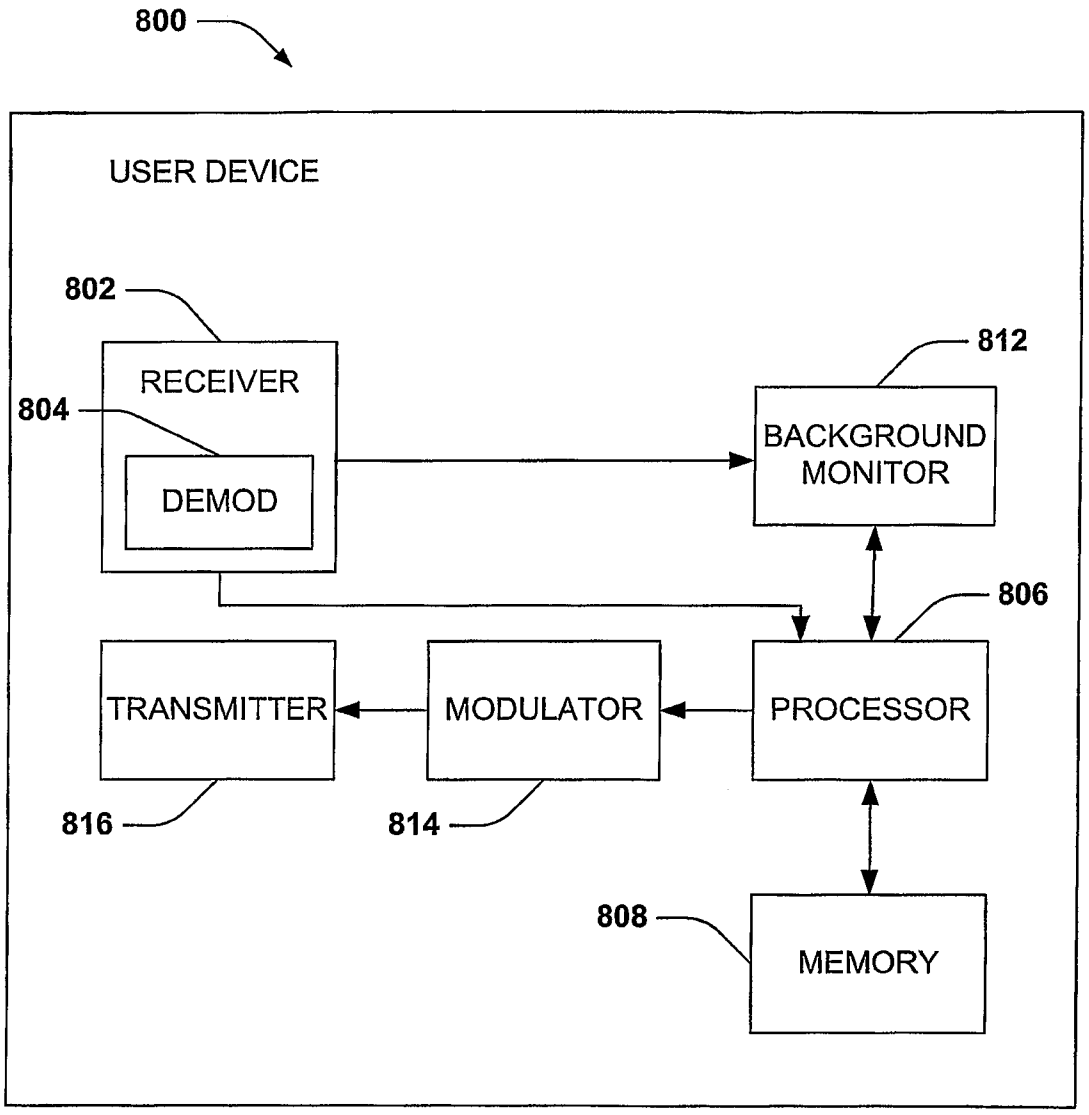

800
USER DEVICE
802
RECEIVER
804
DEMOD
812
BACKGROUND MONITOR
806
TRANSMITTER
MODULATOR
PROCESSOR
816
814
808
MEMORY

FIG. 8

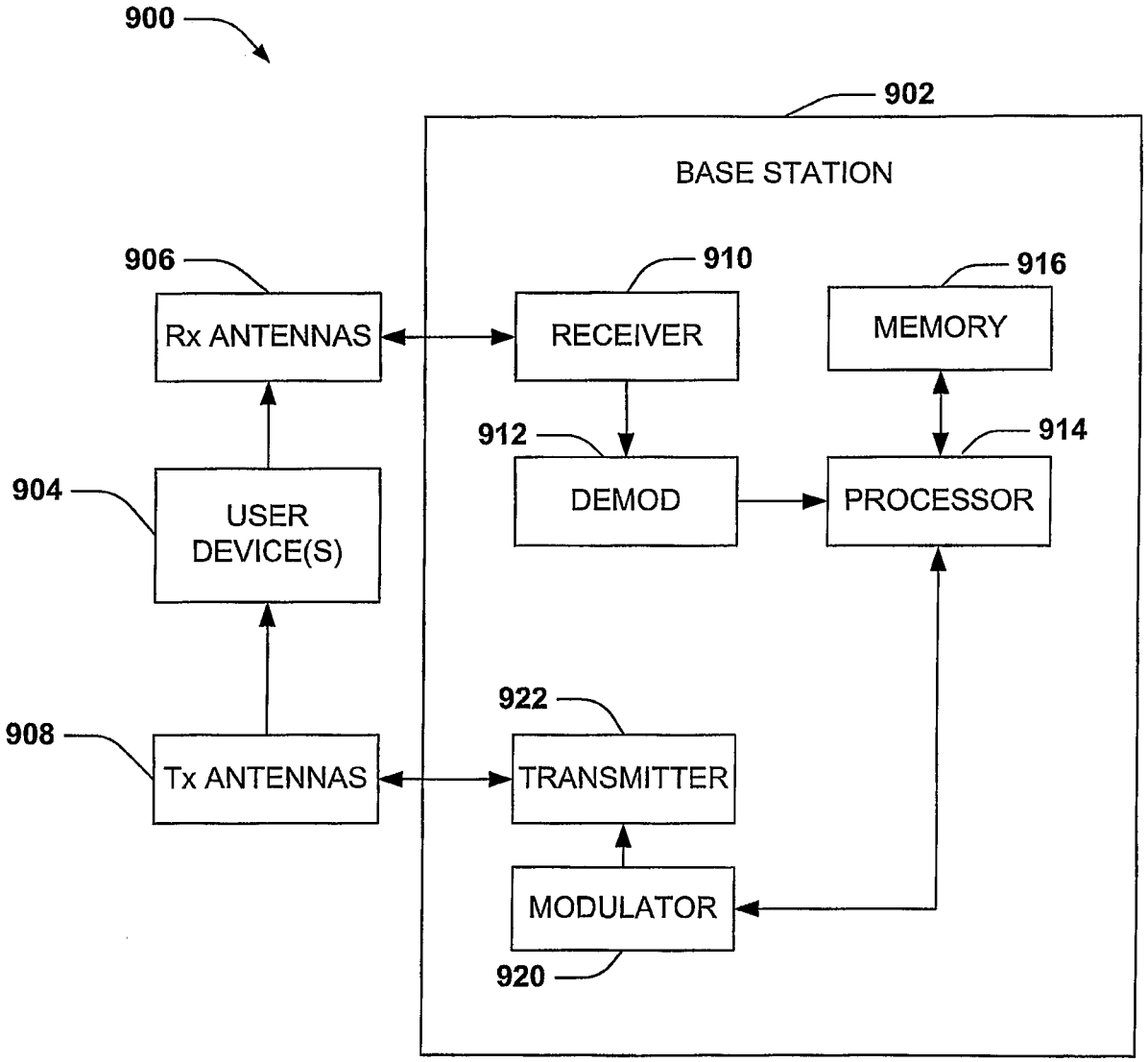

900
902
BASE STATION
906
Rx ANTENNAS
910
RECEIVER
916
MEMORY
912
DEMOD
914
PROCESSOR
904
USER DEVICE(S)
908
Tx ANTENNAS
922
TRANSMITTER
MODULATOR
920

FIG. 9

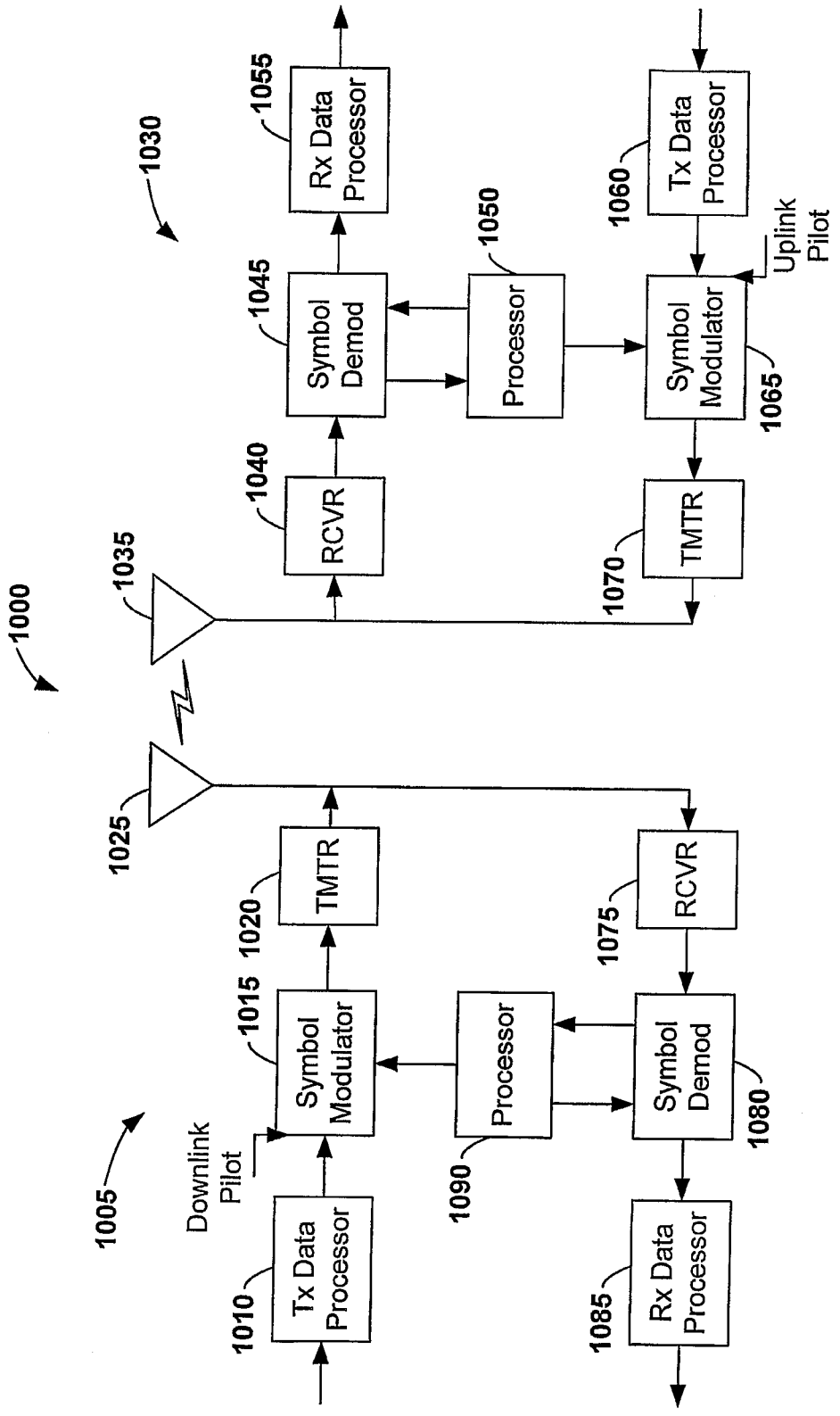

1000
1005
1010
Tx Data Processor
Downlink Pilot
1015
Symbol Modulator
1020
TMTR
1025
1030
1035
1040
RCVR
1045
Symbol Demod
1050
Processor
1055
Rx Data Processor
1060
Tx Data Processor
Uplink Pilot
1065
Symbol Modulator
1070
TMTR
1075
RCVR
1080
Symbol Demod
1085
Rx Data Processor
1090
Processor

FIG. 10