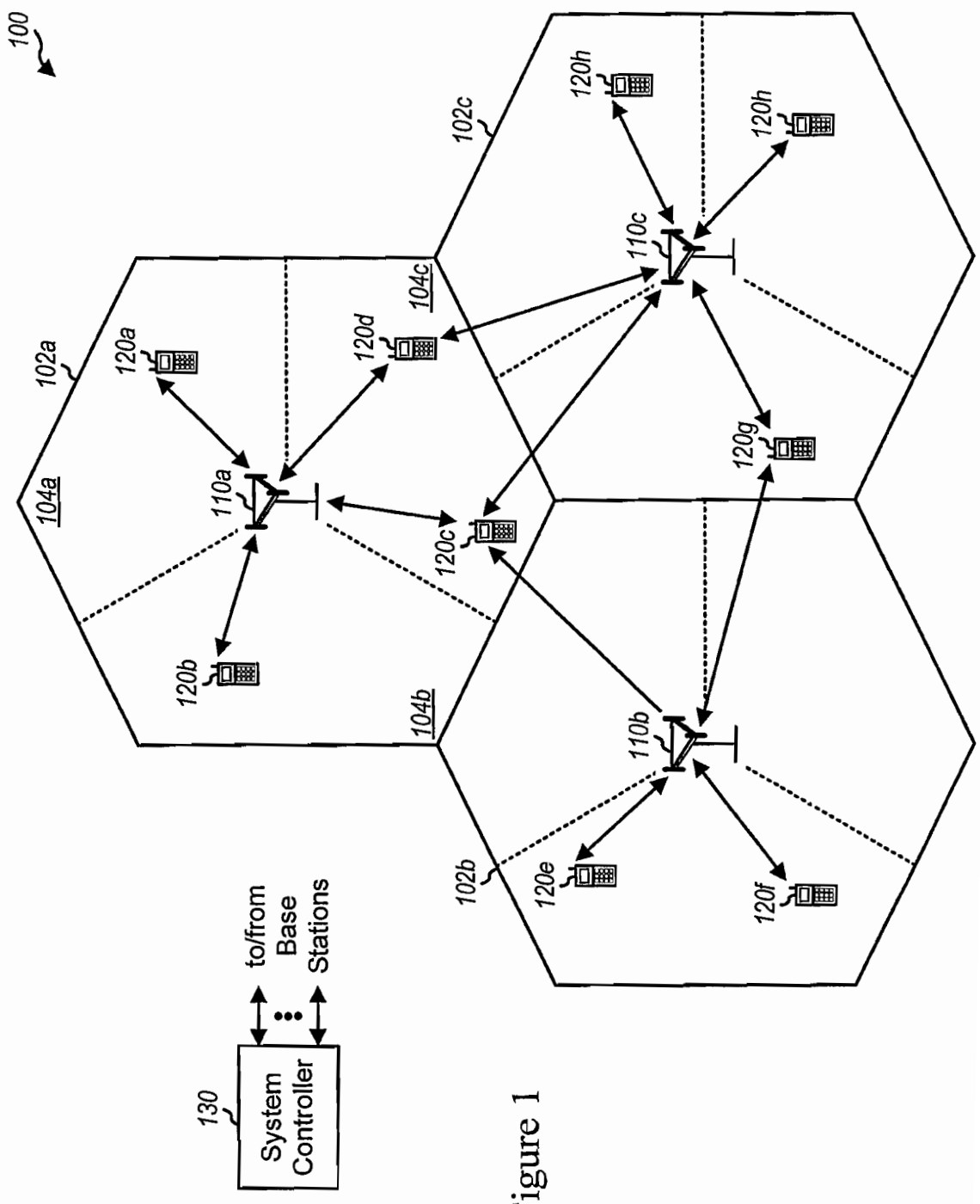

100
102a
102b
102c
104a
104b
104c
110a
110b
110c
120a
120b
120c
120d
120e
120f
120g
120h
130
System Controller
to/from Base Stations

Figure 1

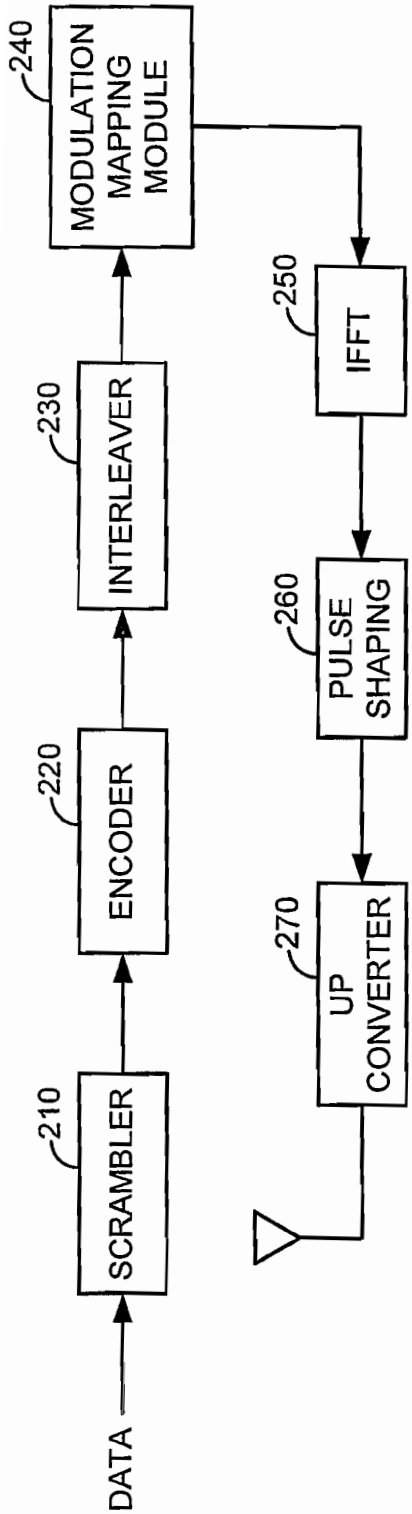


Figure 2

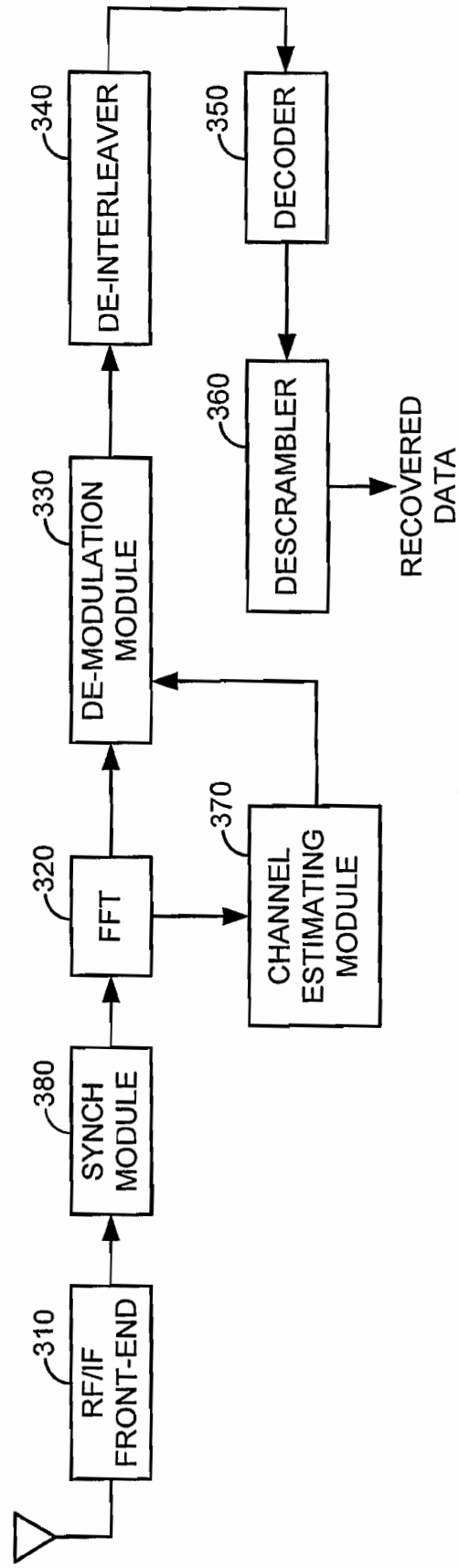


Figure 3

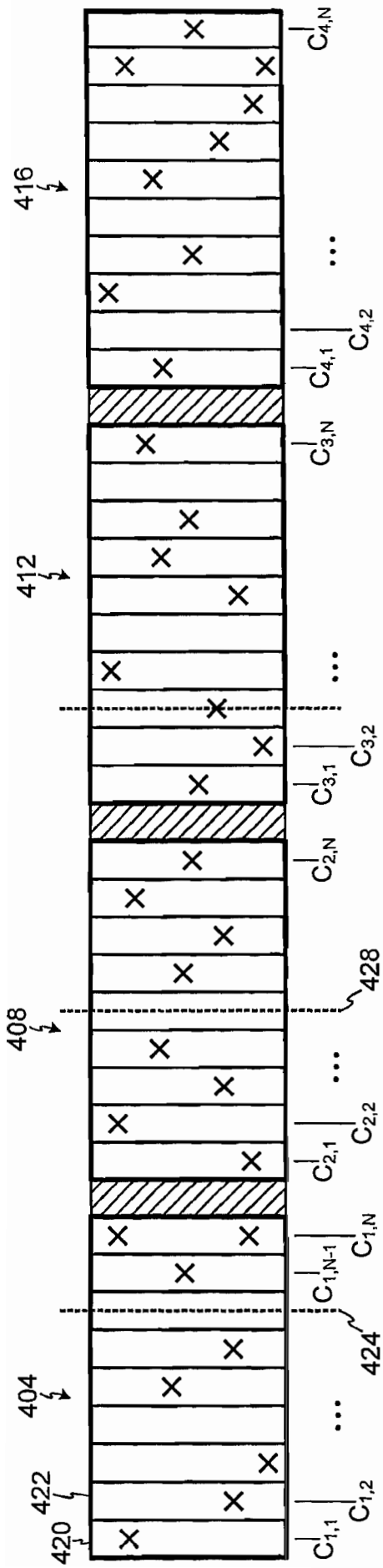


Figure 4A

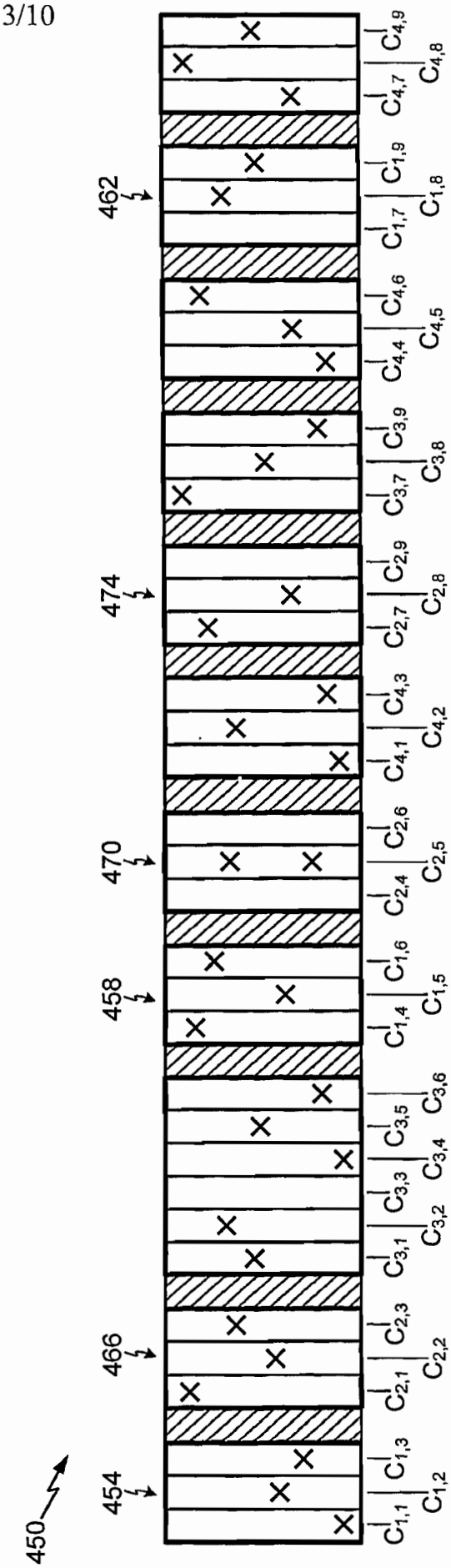


Figure 4B

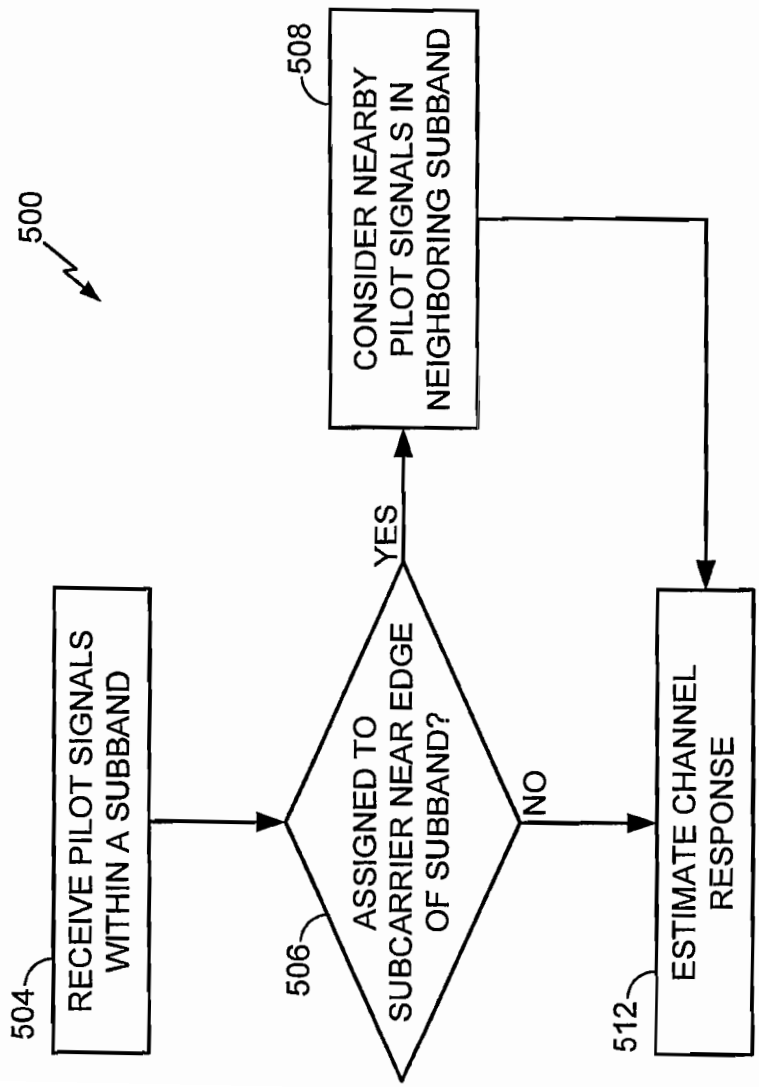

500
504
RECEIVE PILOT SIGNALS WITHIN A SUBBAND
506
ASSIGNED TO SUBCARRIER NEAR EDGE OF SUBBAND?
YES
NO
508
CONSIDER NEARBY PILOT SIGNALS IN NEIGHBORING SUBBAND
512
ESTIMATE CHANNEL RESPONSE

Figure 5

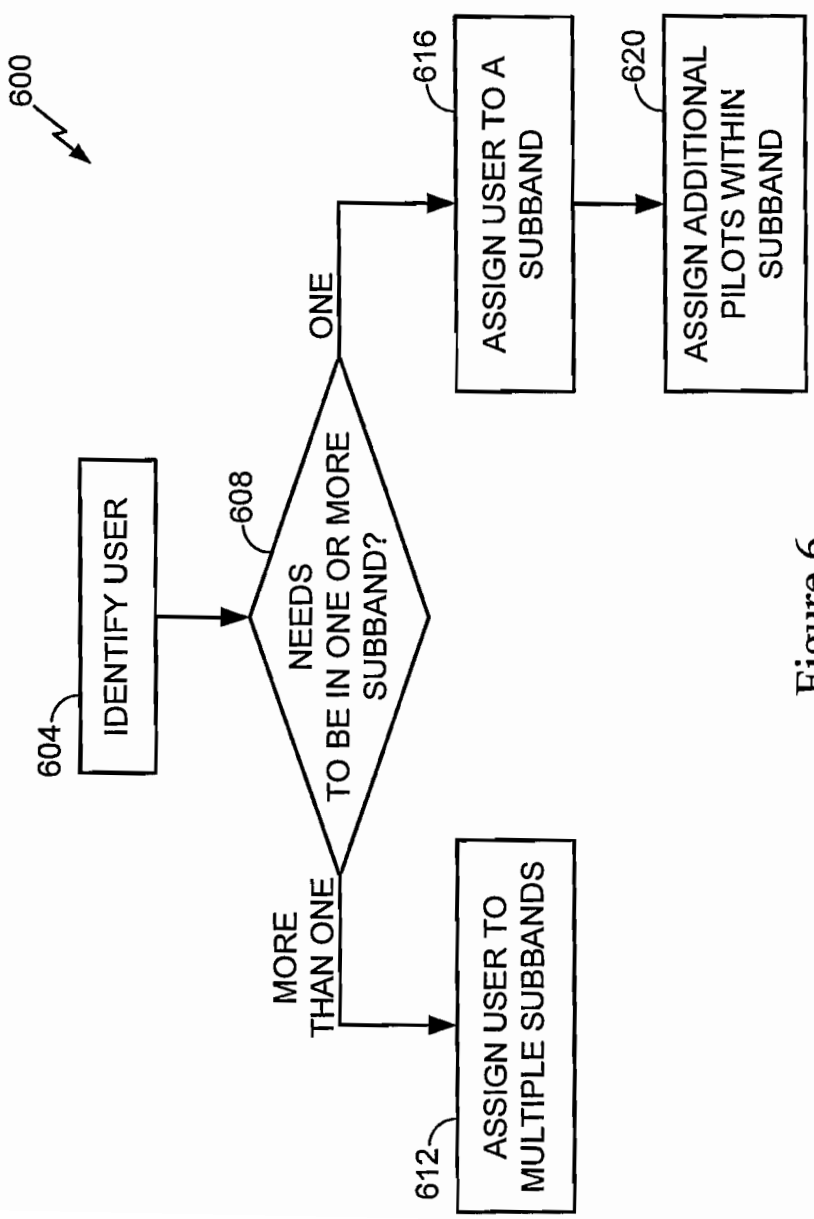

600
IDENTIFY USER
604
608
NEEDS TO BE IN ONE OR MORE SUBBAND?
ONE
MORE THAN ONE
ASSIGN USER TO A SUBBAND
616
ASSIGN ADDITIONAL PILOTS WITHIN SUBBAND
620
ASSIGN USER TO MULTIPLE SUBBANDS
612

Figure 6

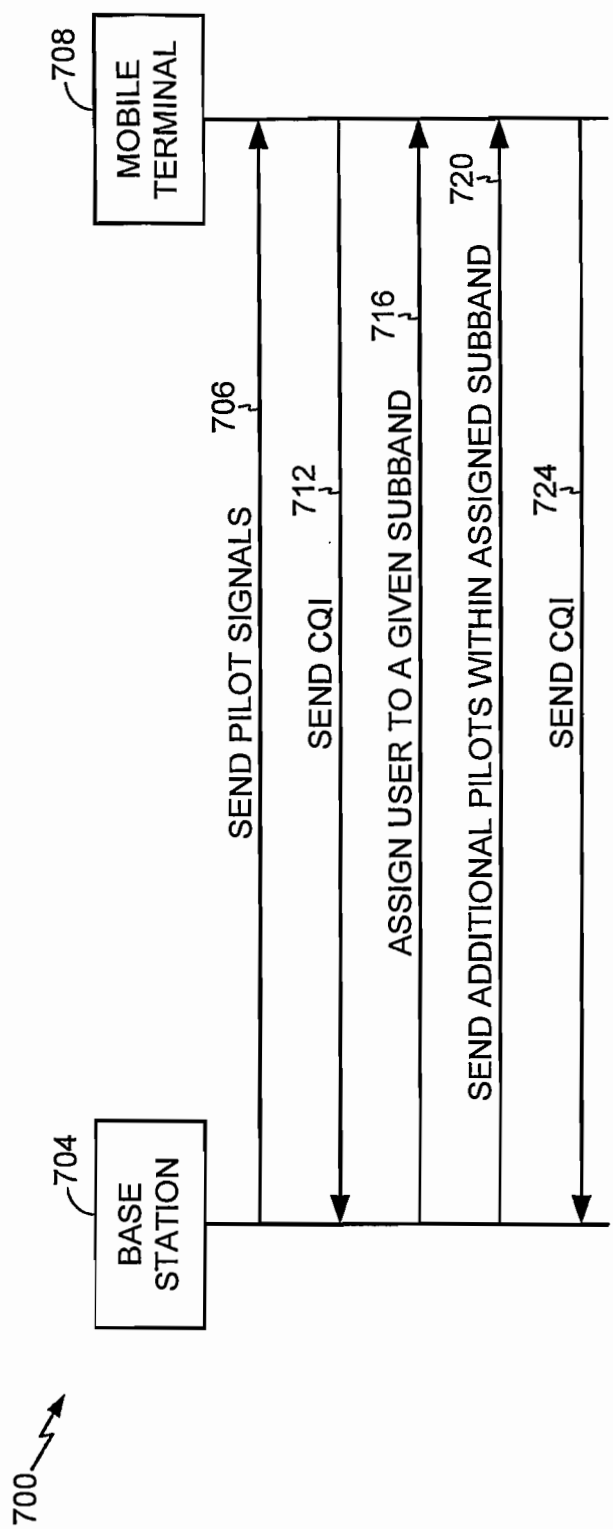

700
BASE STATION
704
MOBILE TERMINAL
708
SEND PILOT SIGNALS
706
SEND CQI
712
ASSIGN USER TO A GIVEN SUBBAND
716
SEND ADDITIONAL PILOTS WITHIN ASSIGNED SUBBAND
720
SEND CQI
724

Figure 7

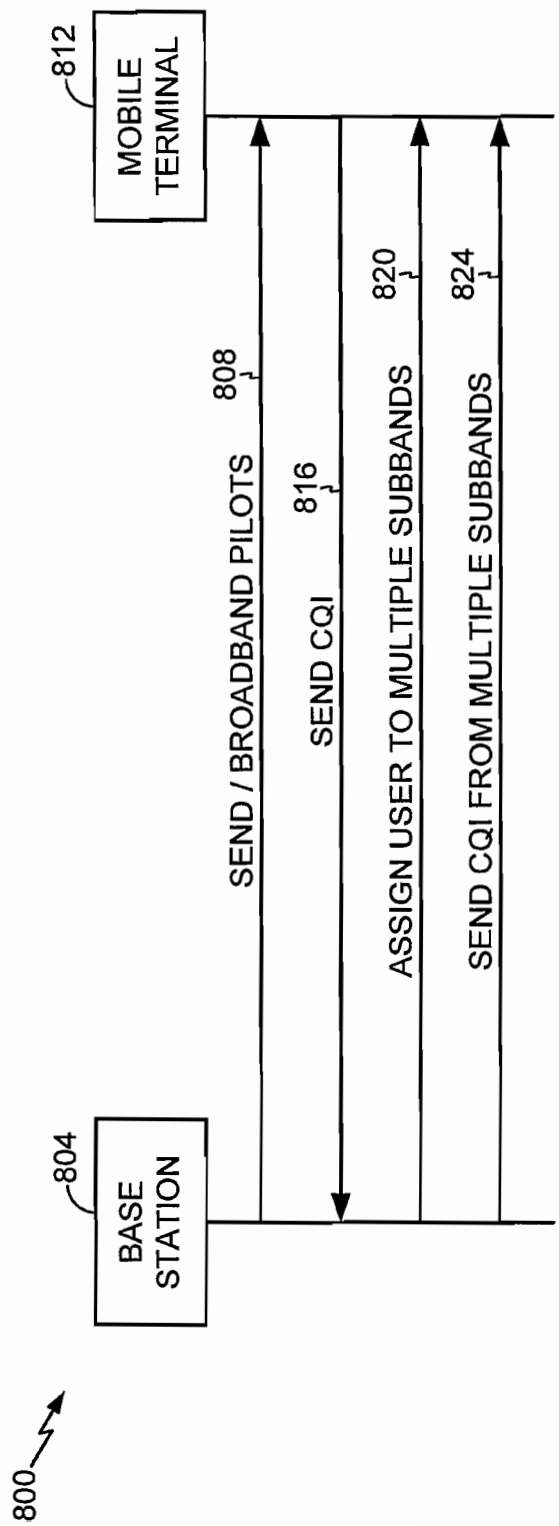

800
BASE STATION
804
MOBILE TERMINAL
812
SEND / BROADBAND PILOTS
808
SEND CQI
816
ASSIGN USER TO MULTIPLE SUBBANDS
820
SEND CQI FROM MULTIPLE SUBBANDS
824

Figure 8

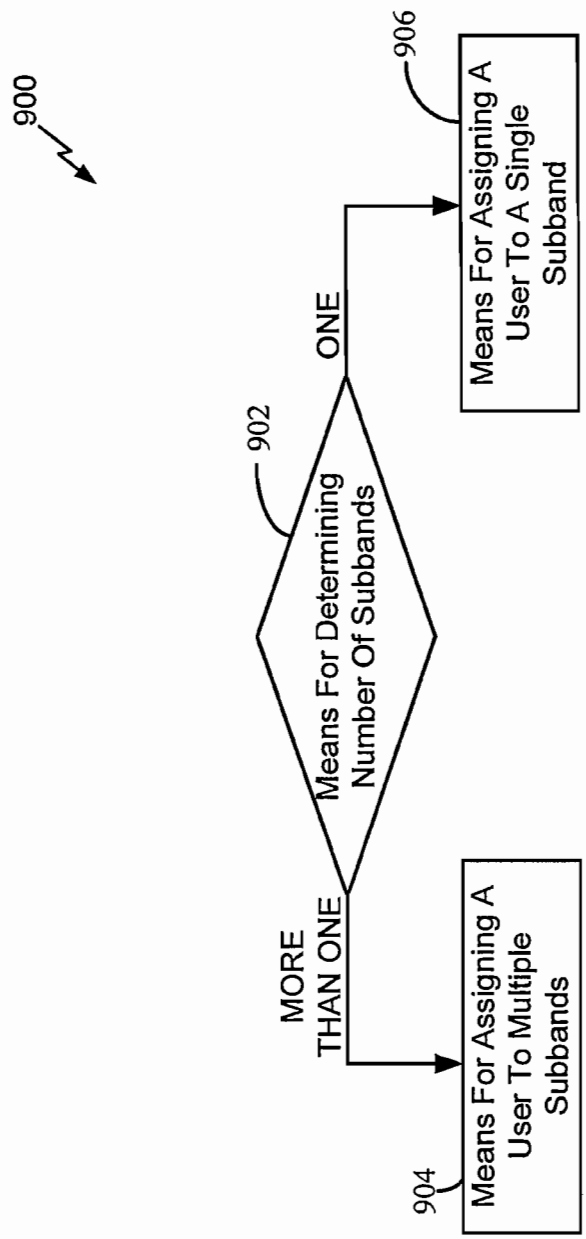

900
902
Means For Determining Number Of Subbands
ONE
MORE THAN ONE
906
Means For Assigning A User To A Single Subband
904
Means For Assigning A User To Multiple Subbands

Figure 9

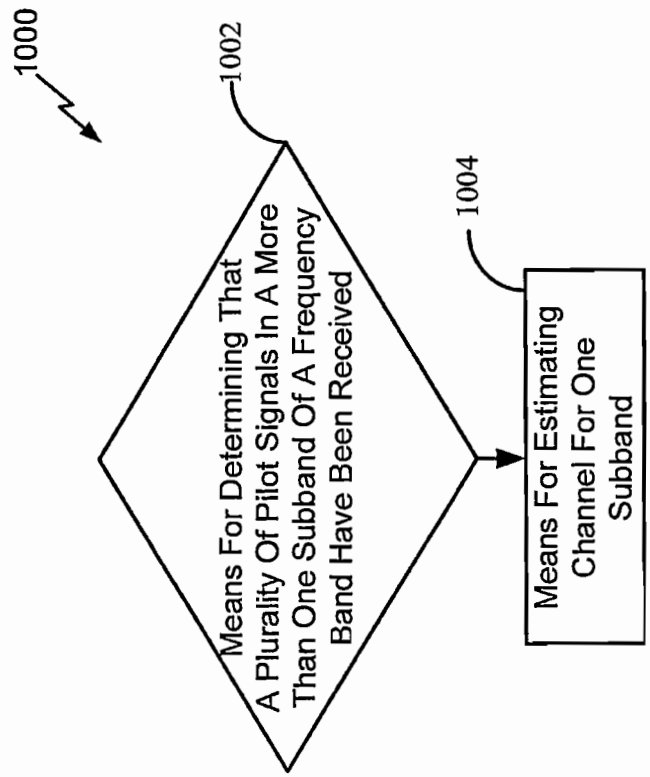

1000
1002
Means For Determining That A Plurality Of Pilot Signals In A More Than One Subband Of A Frequency Band Have Been Received
1004
Means For Estimating Channel For One Subband

Figure 10