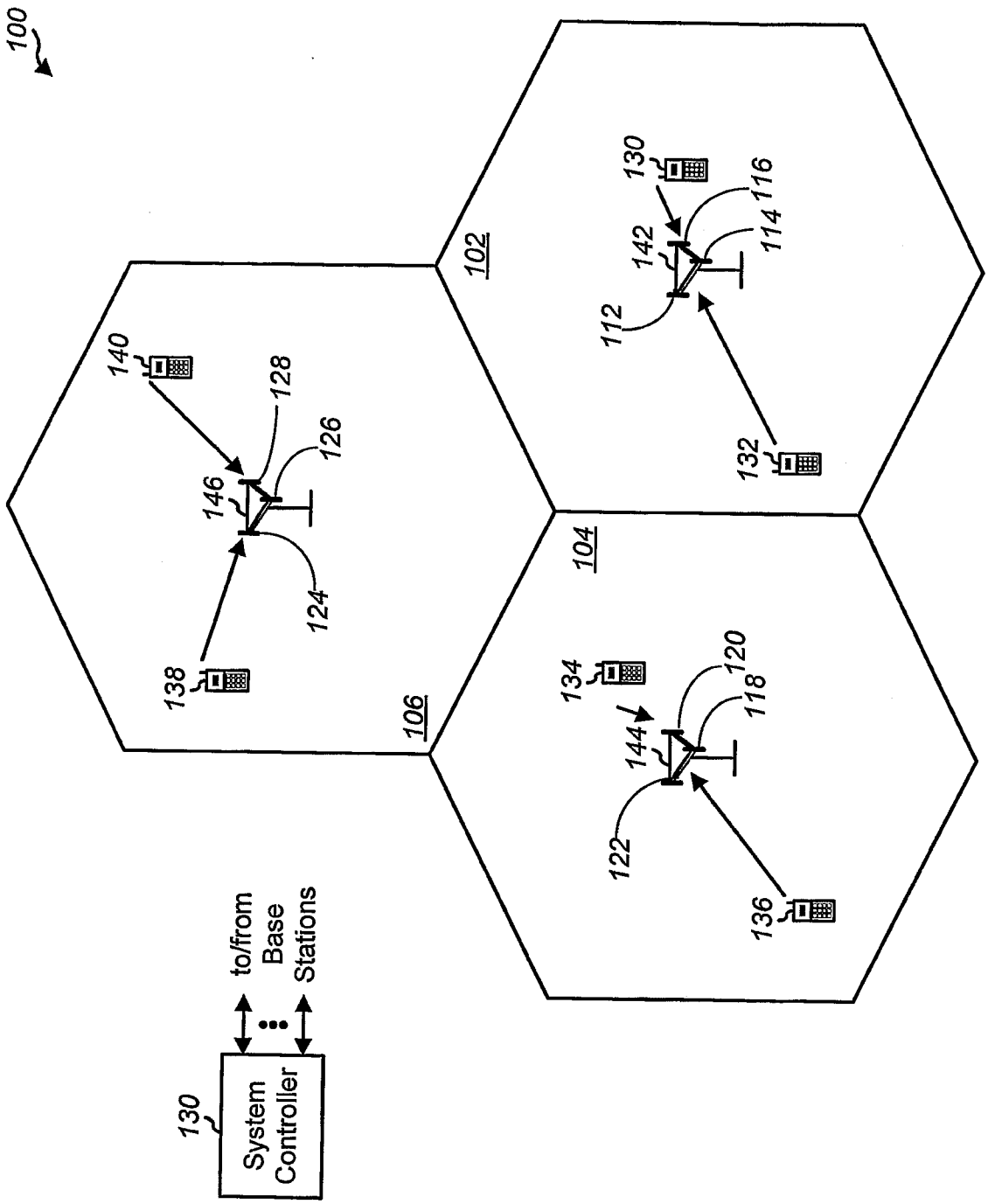

100
102
104
106
112
114
116
118
120
122
124
126
128
130
132
134
136
138
140
142
144
146
130
System Controller
to/from Base Stations

Figure 1

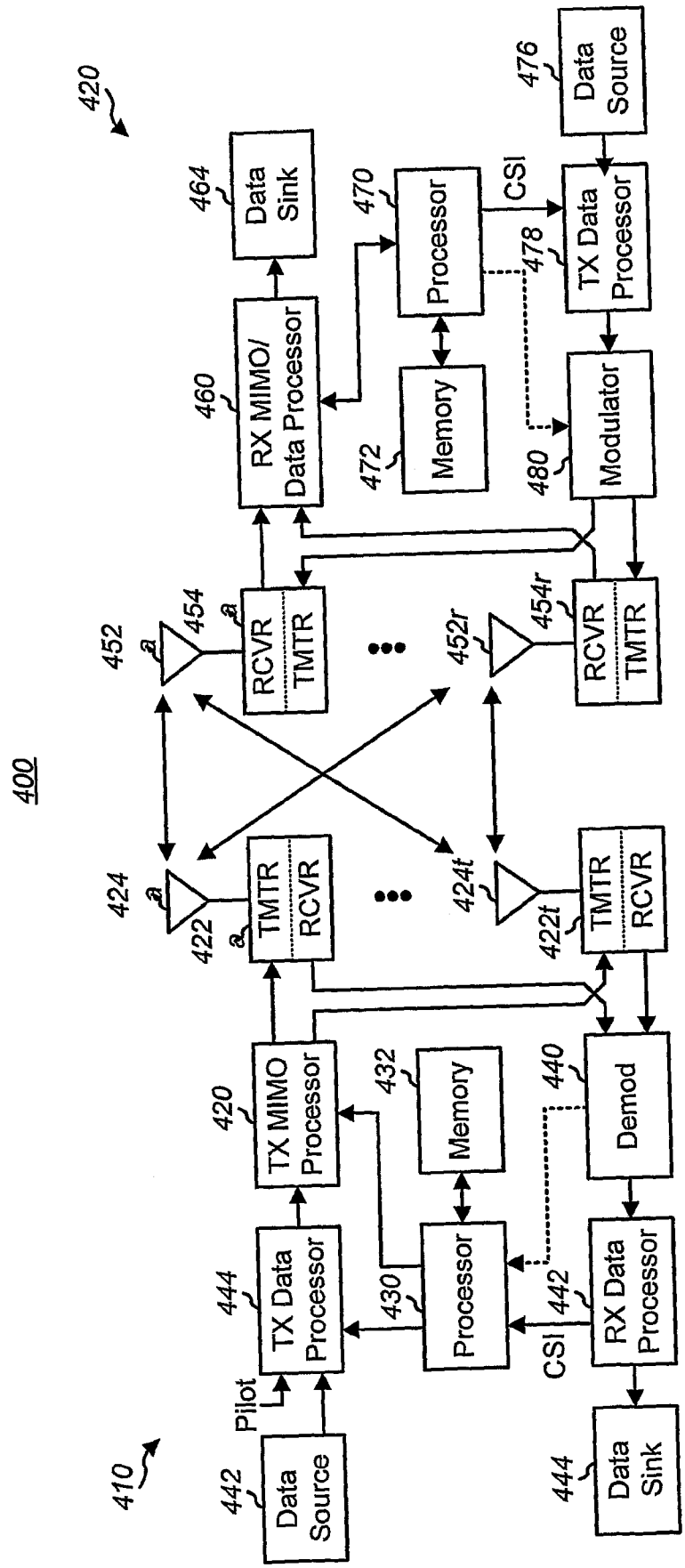

400
410
420
Data Source
442
Pilot
TX Data Processor
444
TX MIMO Processor
420
Processor
430
Memory
432
TMTR
RCVR
422
424
424t
422t
452
452r
454
454r
RCVR
TMTR
RX MIMO/ Data Processor
460
Memory
472
Processor
470
Data Sink
464
CSI
478
TX Data Processor
Modulator
480
Data Source
476
Demod
440
RX Data Processor
442
CSI
Data Sink
444

Figure 2

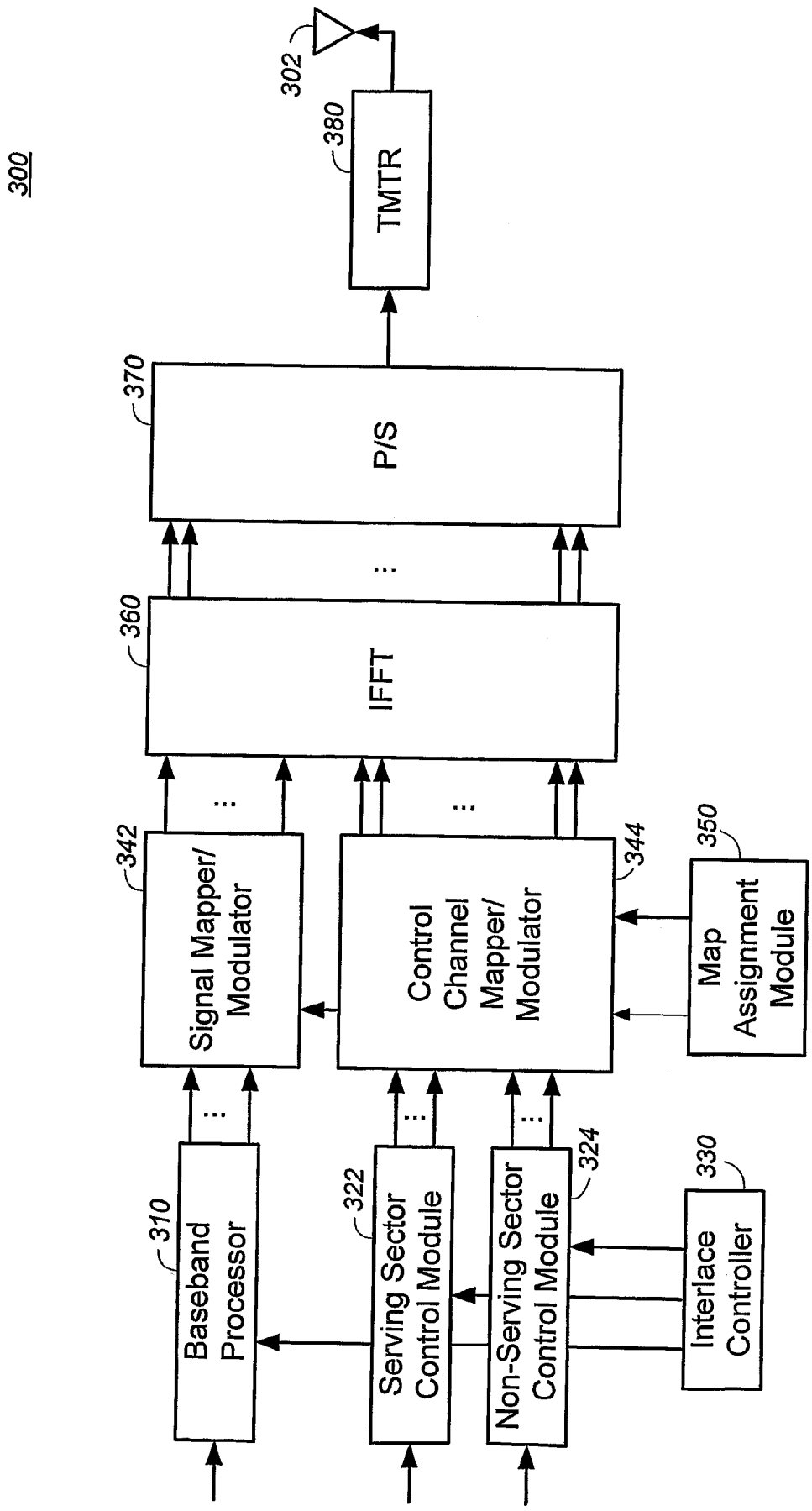

300
302
380
TMTR
370
P/S
360
IFFT
342
Signal Mapper/ Modulator
344
Control Channel Mapper/ Modulator
350
Map Assignment Module
310
Baseband Processor
322
Serving Sector Control Module
324
Non-Serving Sector Control Module
330
Interlace Controller

Figure 3

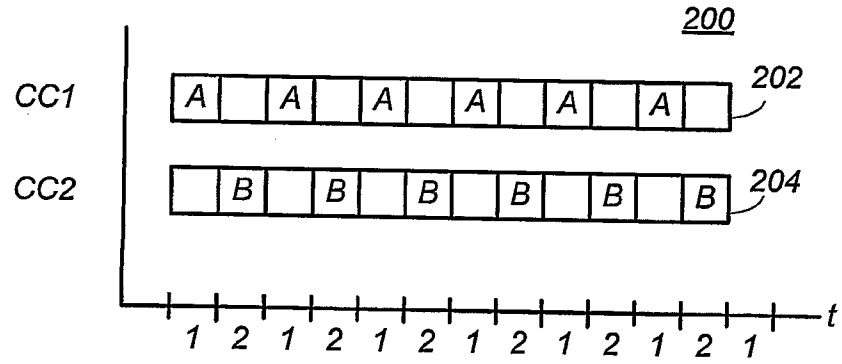


Figure 4A

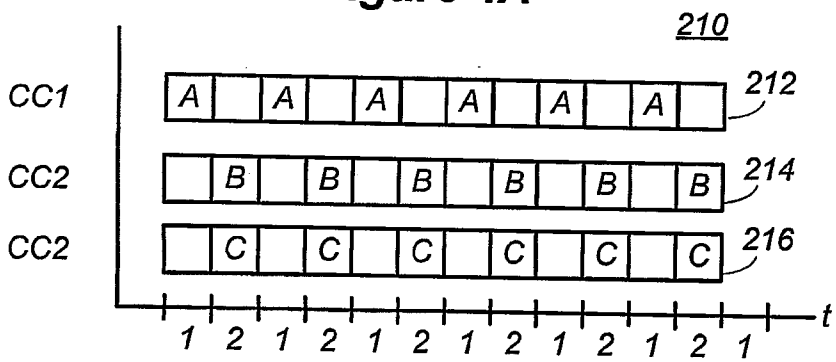


Figure 4B

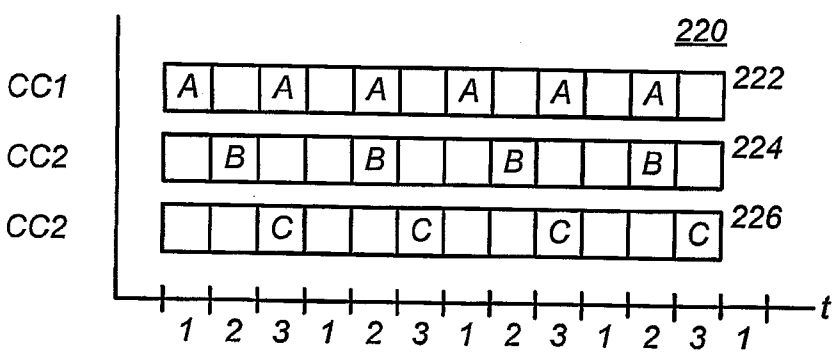


Figure 4C

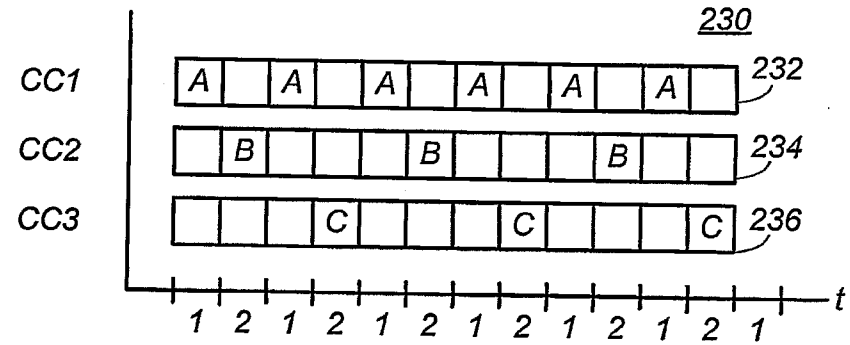


Figure 4D

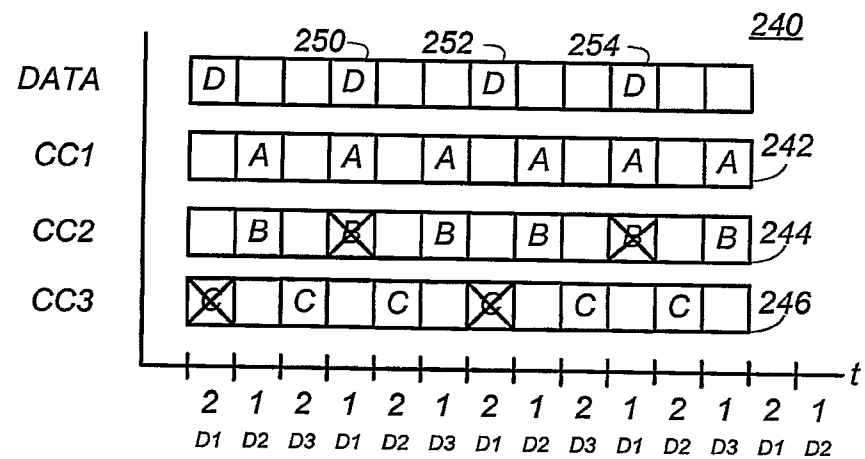


Figure 4E

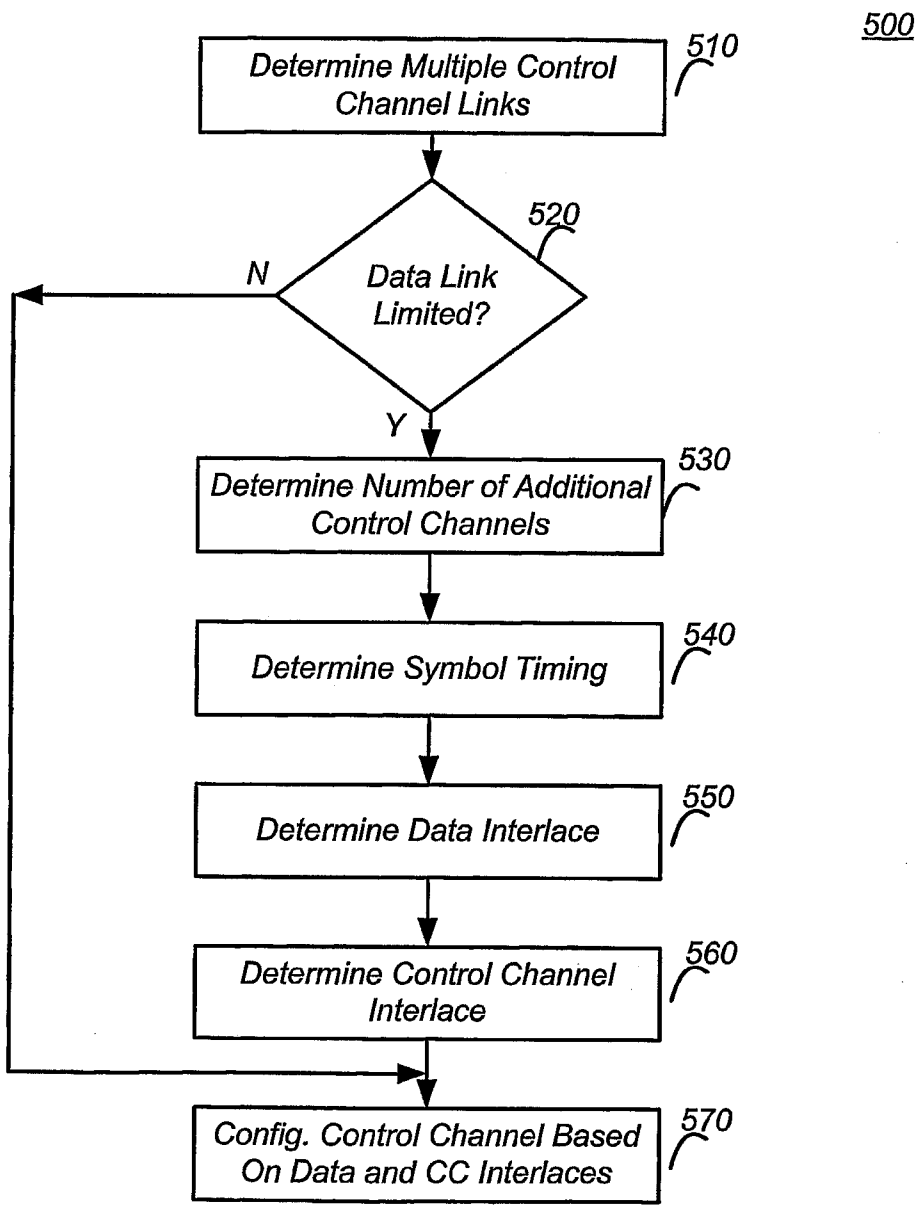

500
Determine Multiple Control Channel Links
510
520
Data Link Limited?
N
Y
Determine Number of Additional Control Channels
530
Determine Symbol Timing
540
Determine Data Interlace
550
Determine Control Channel Interlace
560
Config. Control Channel Based On Data and CC Interlaces
570

Figure 5

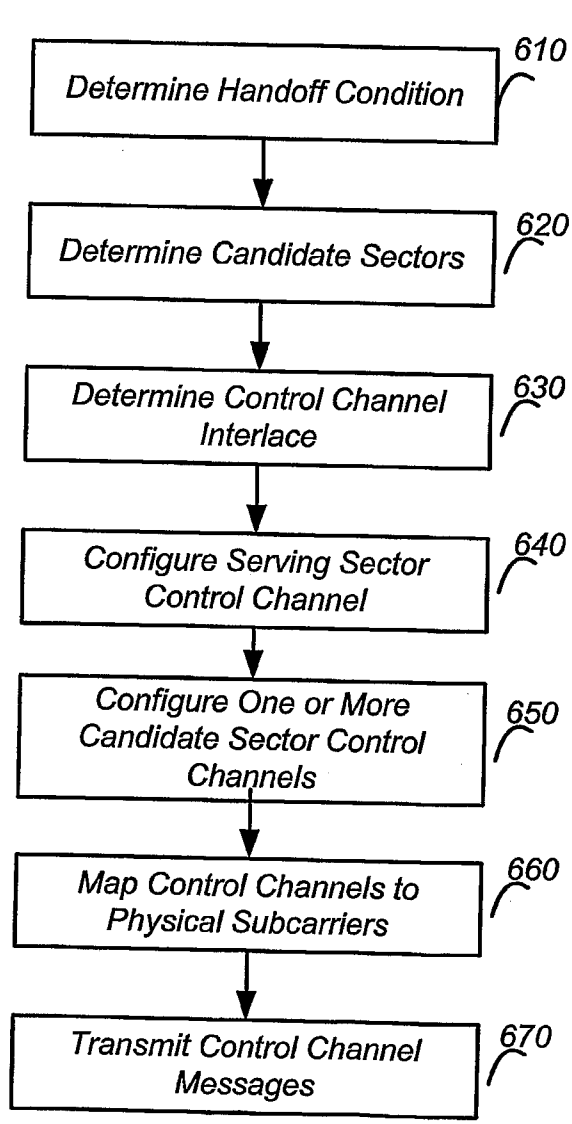

600
Determine Handoff Condition
610
Determine Candidate Sectors
620
Determine Control Channel Interlace
630
Configure Serving Sector Control Channel
640
Configure One or More Candidate Sector Control Channels
650
Map Control Channels to Physical Subcarriers
660
Transmit Control Channel Messages
670

Figure 6

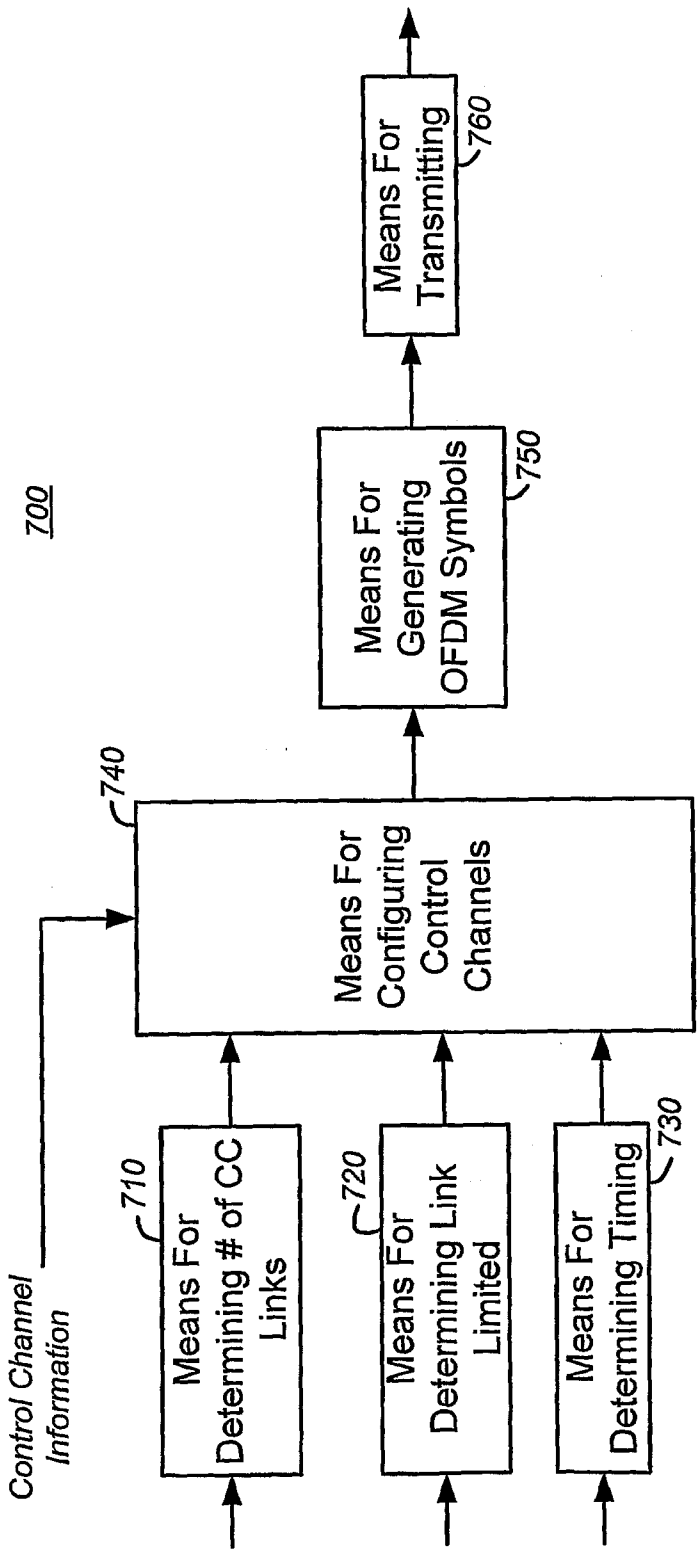

700
Control Channel Information
Means For Determining # of CC Links
710
Means For Determining Link Limited
720
Means For Determining Timing
730
Means For Configuring Control Channels
740
Means For Generating OFDM Symbols
750
Means For Transmitting
760

Figure 7