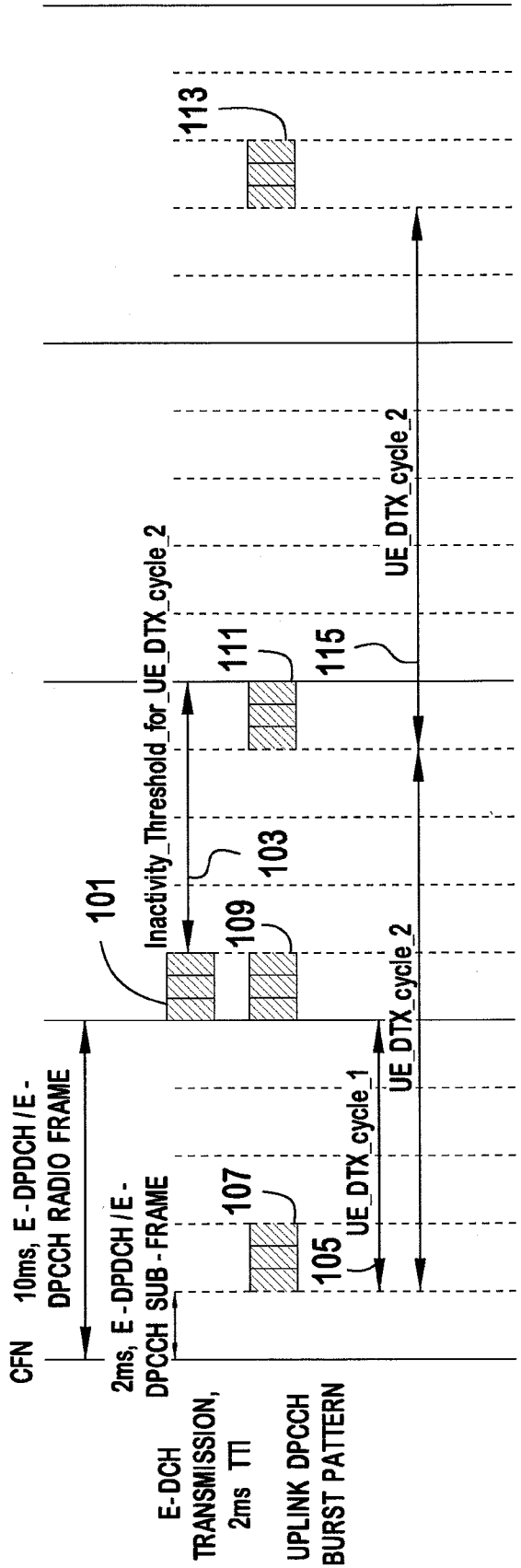


FIG. 1
(PRIOR ART)

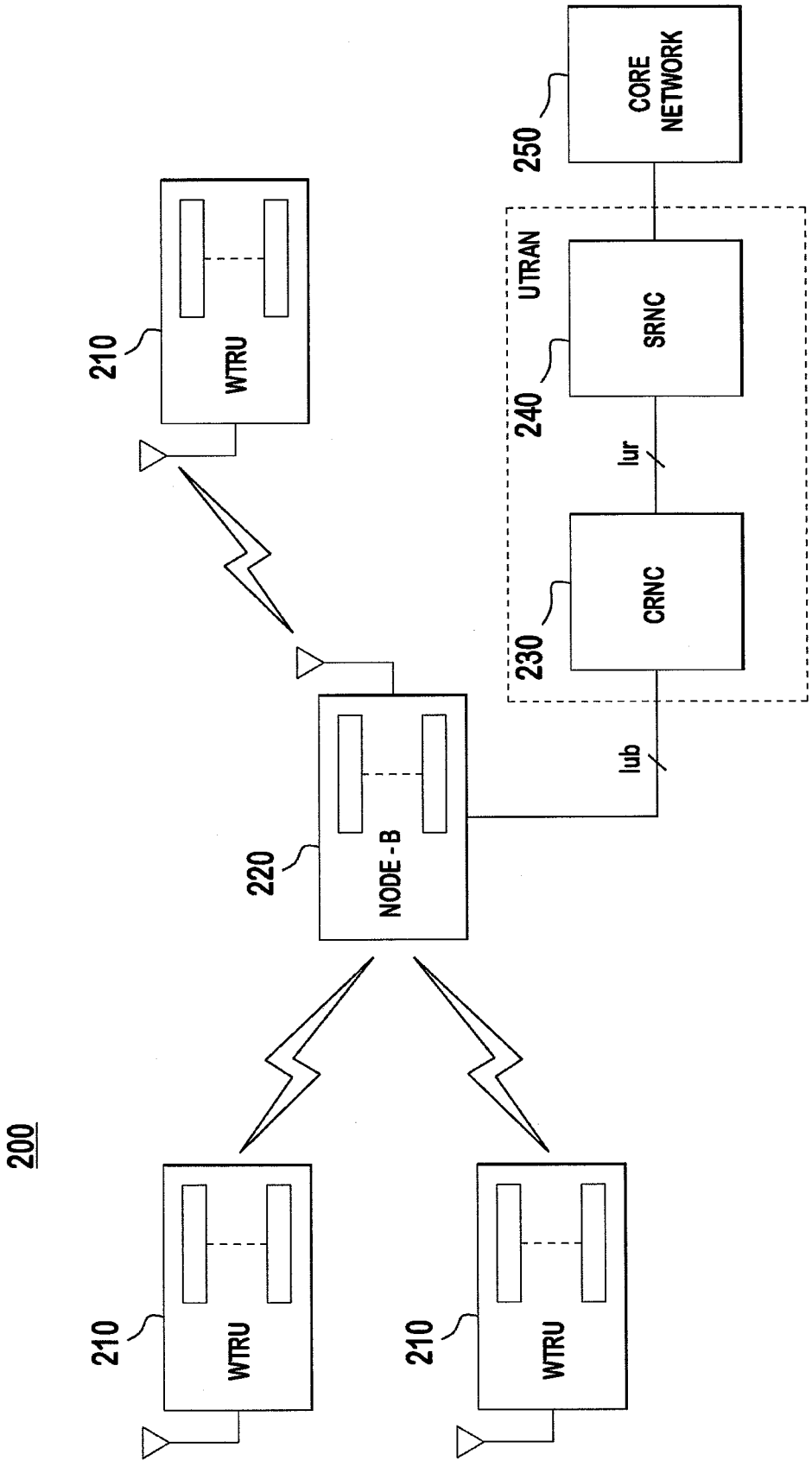

200
210
WTRU
210
WTRU
210
WTRU
220
NODE-B
lub
230
CRNC
lur
240
SRNC
UTRAN
250
CORE NETWORK

FIG. 2

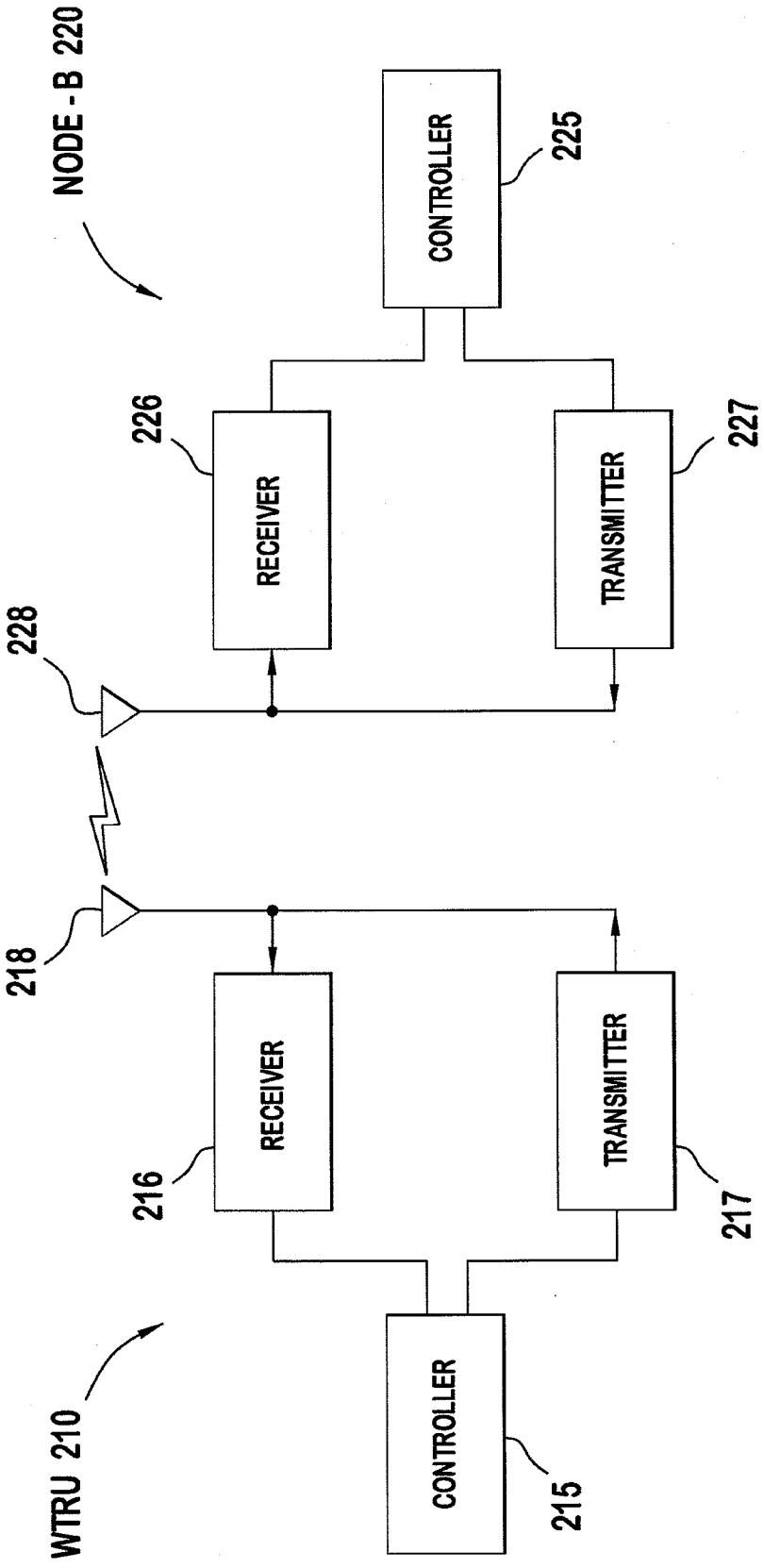

NODE - B 220
CONTROLLER
225
226
RECEIVER
TRANSMITTER
227
228
218
RECEIVER
216
TRANSMITTER
217
WTRU 210
CONTROLLER
215

FIG. 3

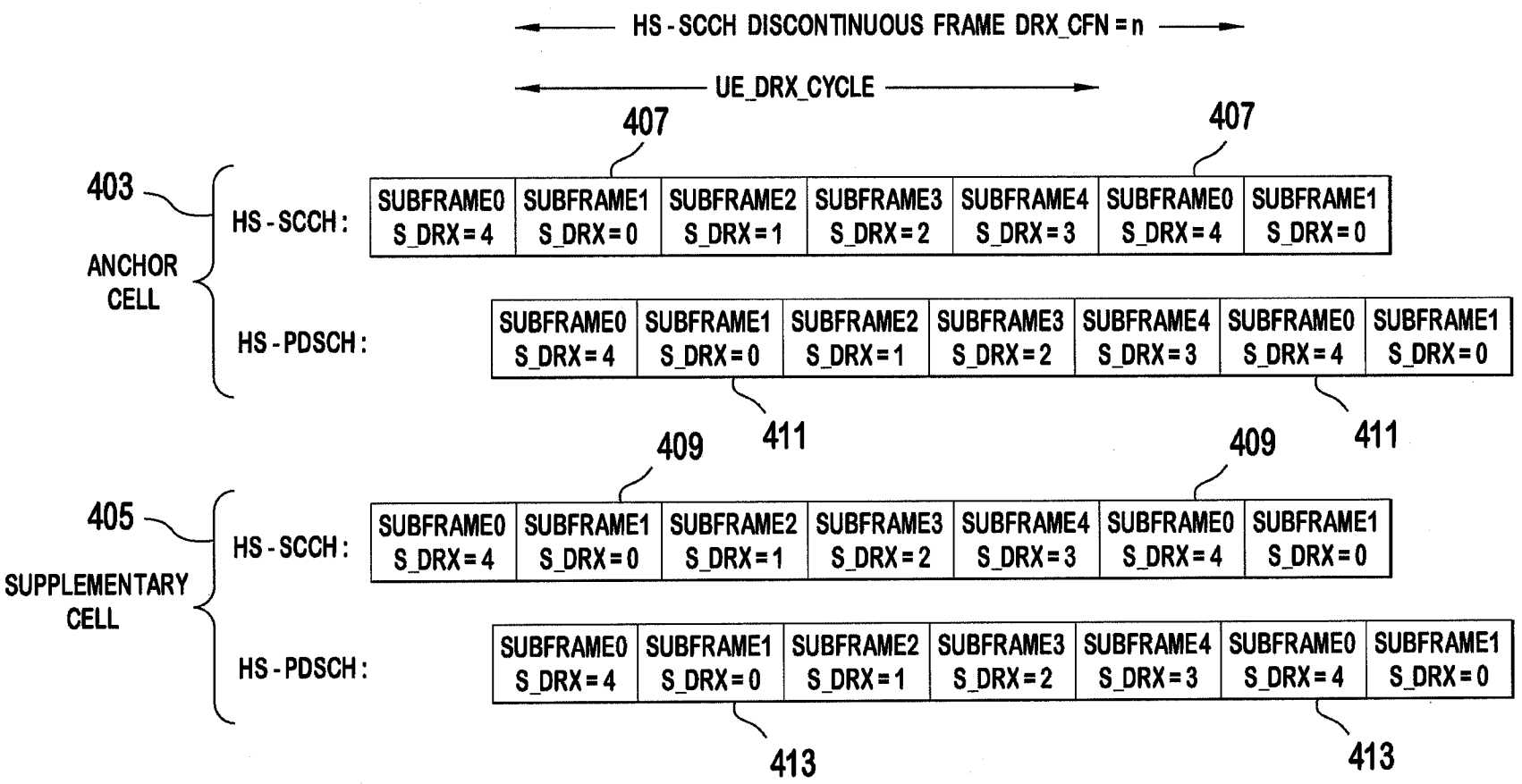

HS-SCCH DISCONTINUOUS FRAME DRX_CFN=n
UE_DRX_CYCLE
407
407
403
HS-SCCH:
ANCHOR CELL
HS-PDSCH:
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
411
411
409
409
405
HS-SCCH:
SUPPLEMENTARY CELL
HS-PDSCH:
413
413

FIG. 4

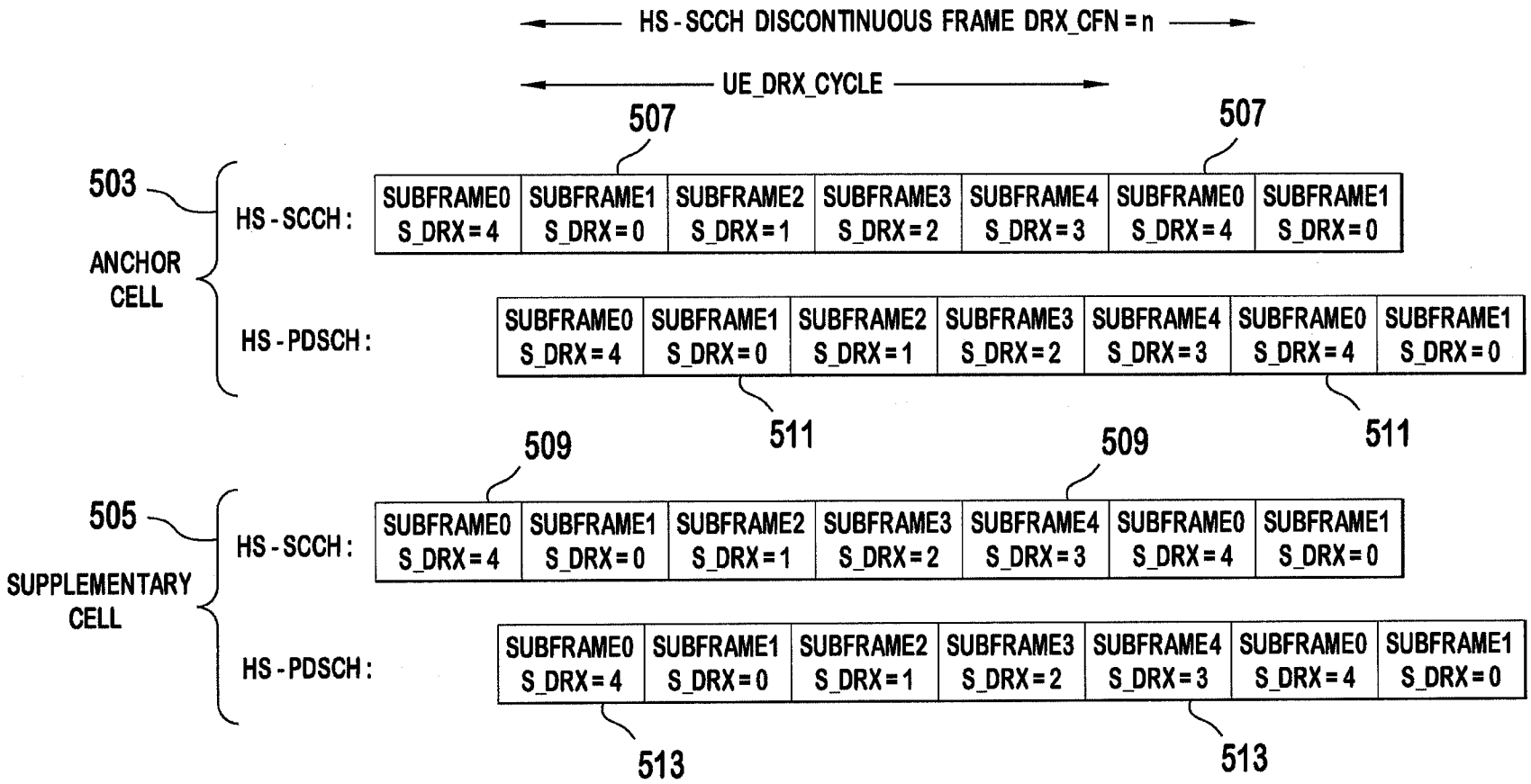

HS-SCCH DISCONTINUOUS FRAME DRX_CFN=n
UE_DRX_CYCLE
507
507
503
ANCHOR CELL
HS-SCCH:
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
HS-PDSCH:
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
511
511
509
509
505
SUPPLEMENTARY CELL
HS-SCCH:
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
HS-PDSCH:
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
513
513

FIG. 5

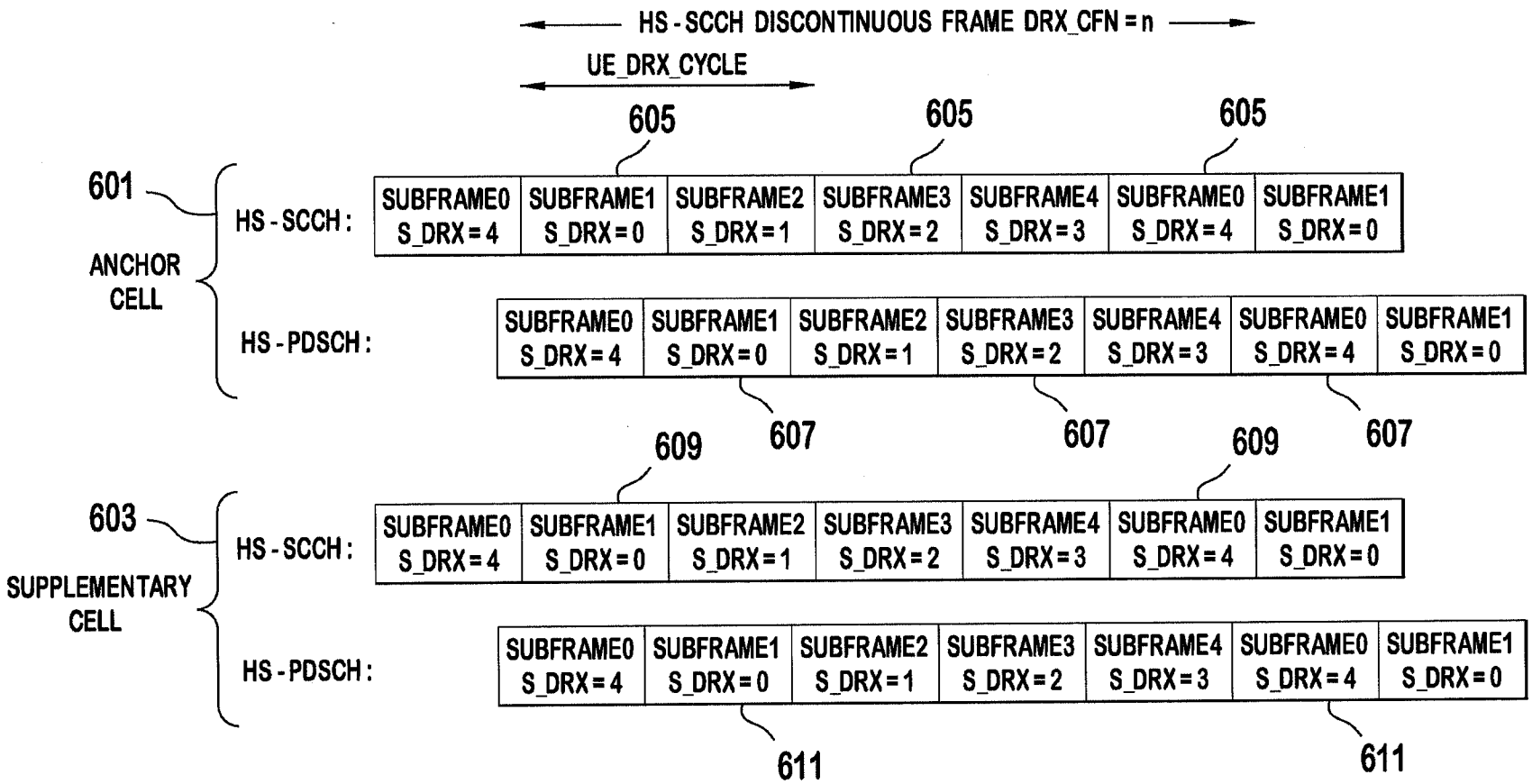

HS-SCCH DISCONTINUOUS FRAME DRX_CFN=n
UE_DRX_CYCLE
605
605
605
601
HS-SCCH:
ANCHOR CELL
HS-PDSCH:
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
607
607
607
609
609
603
HS-SCCH:
SUPPLEMENTARY CELL
HS-PDSCH:
611
611

FIG. 6

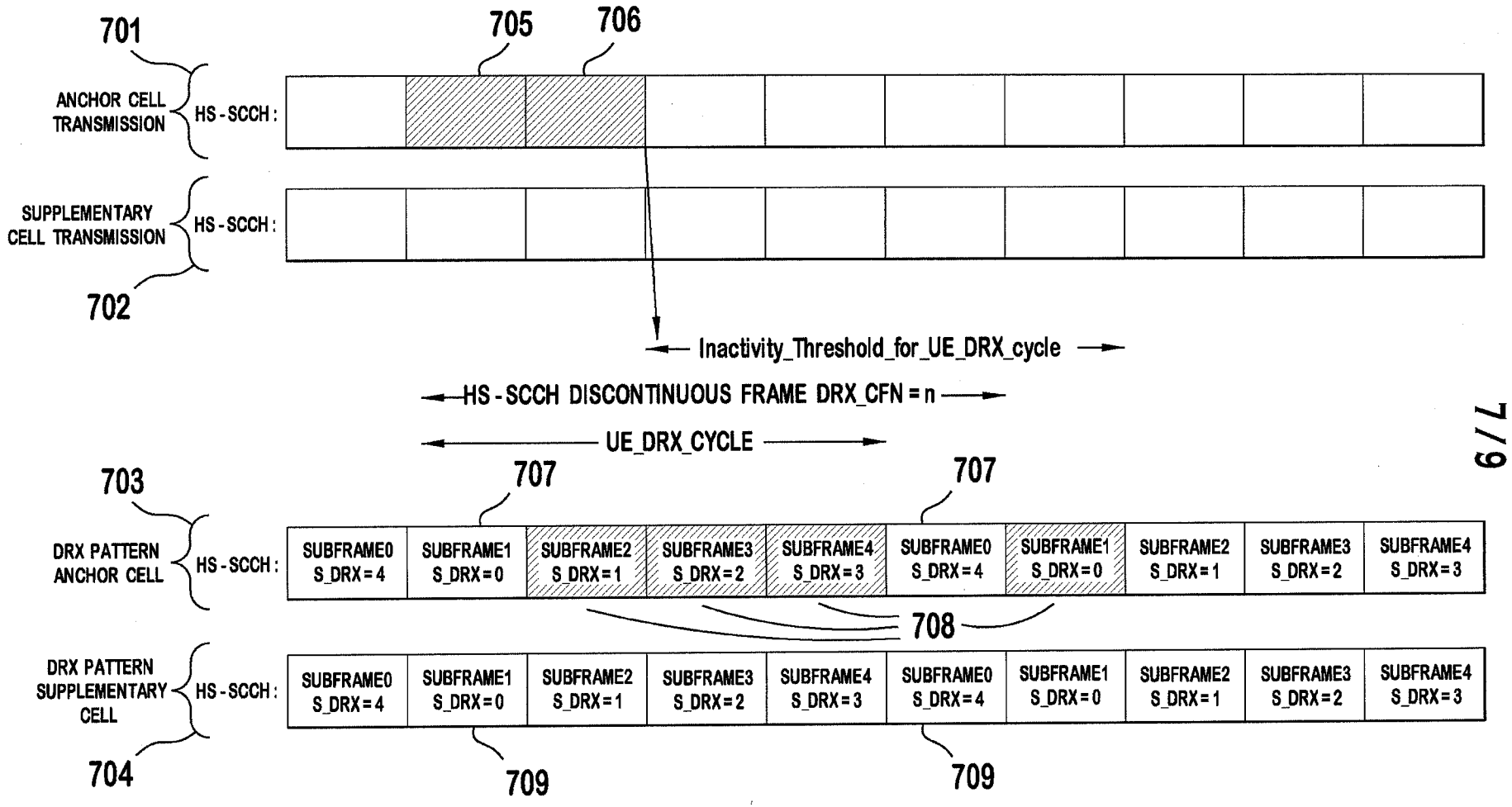

701
705
706
ANCHOR CELL TRANSMISSION
HS-SCCH:
SUPPLEMENTARY CELL TRANSMISSION
HS-SCCH:
702
Inactivity_Threshold_for_UE_DRX_cycle
HS-SCCH DISCONTINUOUS FRAME DRX_CFN = n
UE_DRX_CYCLE
703
707
707
DRX PATTERN ANCHOR CELL
HS-SCCH:
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
708
DRX PATTERN SUPPLEMENTARY CELL
HS-SCCH:
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
704
709
709

FIG. 7

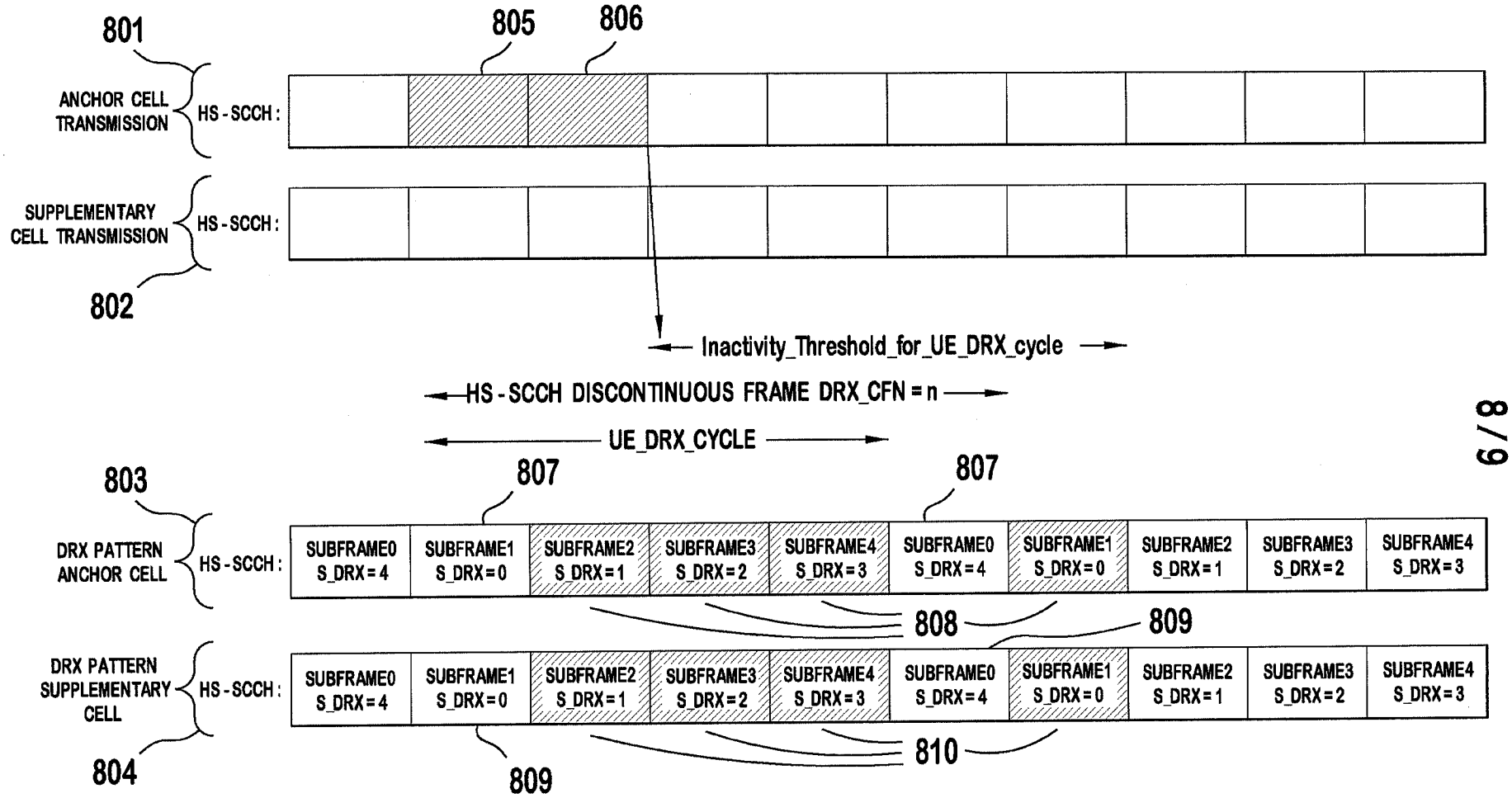

801
805
806
ANCHOR CELL TRANSMISSION
HS-SCCH:
SUPPLEMENTARY CELL TRANSMISSION
HS-SCCH:
802
Inactivity_Threshold_for_UE_DRX_cycle
HS-SCCH DISCONTINUOUS FRAME DRX_CFN = n
UE_DRX_CYCLE
803
807
807
DRX PATTERN ANCHOR CELL
HS-SCCH:
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
808
809
DRX PATTERN SUPPLEMENTARY CELL
HS-SCCH:
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
SUBFRAME0 S_DRX=4
SUBFRAME1 S_DRX=0
SUBFRAME2 S_DRX=1
SUBFRAME3 S_DRX=2
SUBFRAME4 S_DRX=3
804
809
810

FIG. 8

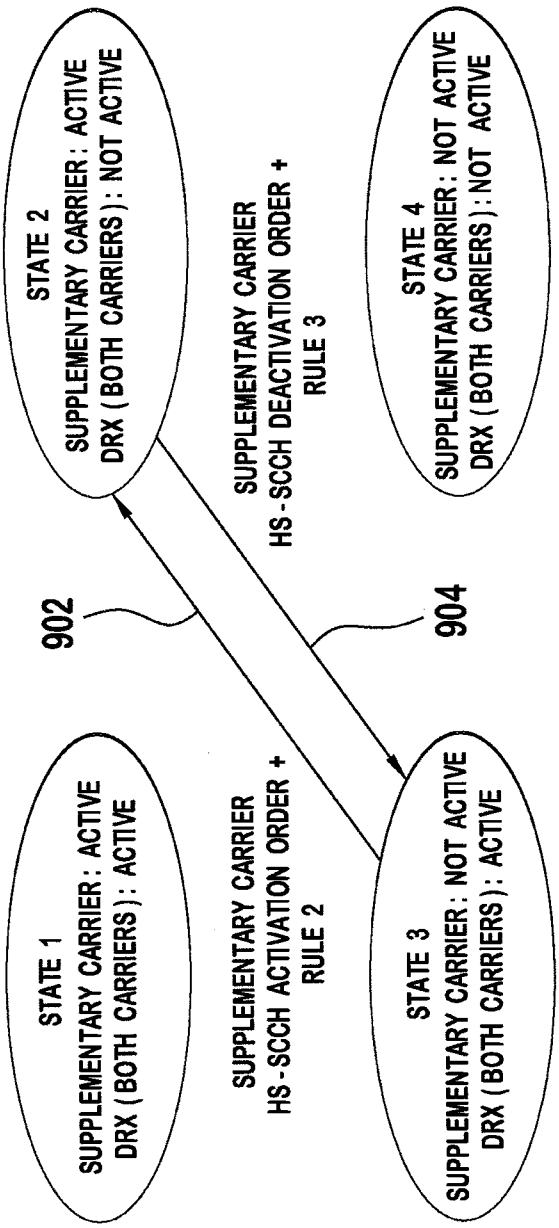

STATE 1
SUPPLEMENTARY CARRIER: ACTIVE
DRX (BOTH CARRIERS): ACTIVE
STATE 2
SUPPLEMENTARY CARRIER: ACTIVE
DRX (BOTH CARRIERS): NOT ACTIVE
STATE 3
SUPPLEMENTARY CARRIER: NOT ACTIVE
DRX (BOTH CARRIERS): ACTIVE
STATE 4
SUPPLEMENTARY CARRIER: NOT ACTIVE
DRX (BOTH CARRIERS): NOT ACTIVE
SUPPLEMENTARY CARRIER
HS-SCCH ACTIVATION ORDER +
RULE 2
902
SUPPLEMENTARY CARRIER
HS-SCCH DEACTIVATION ORDER +
RULE 3
904

FIG. 9