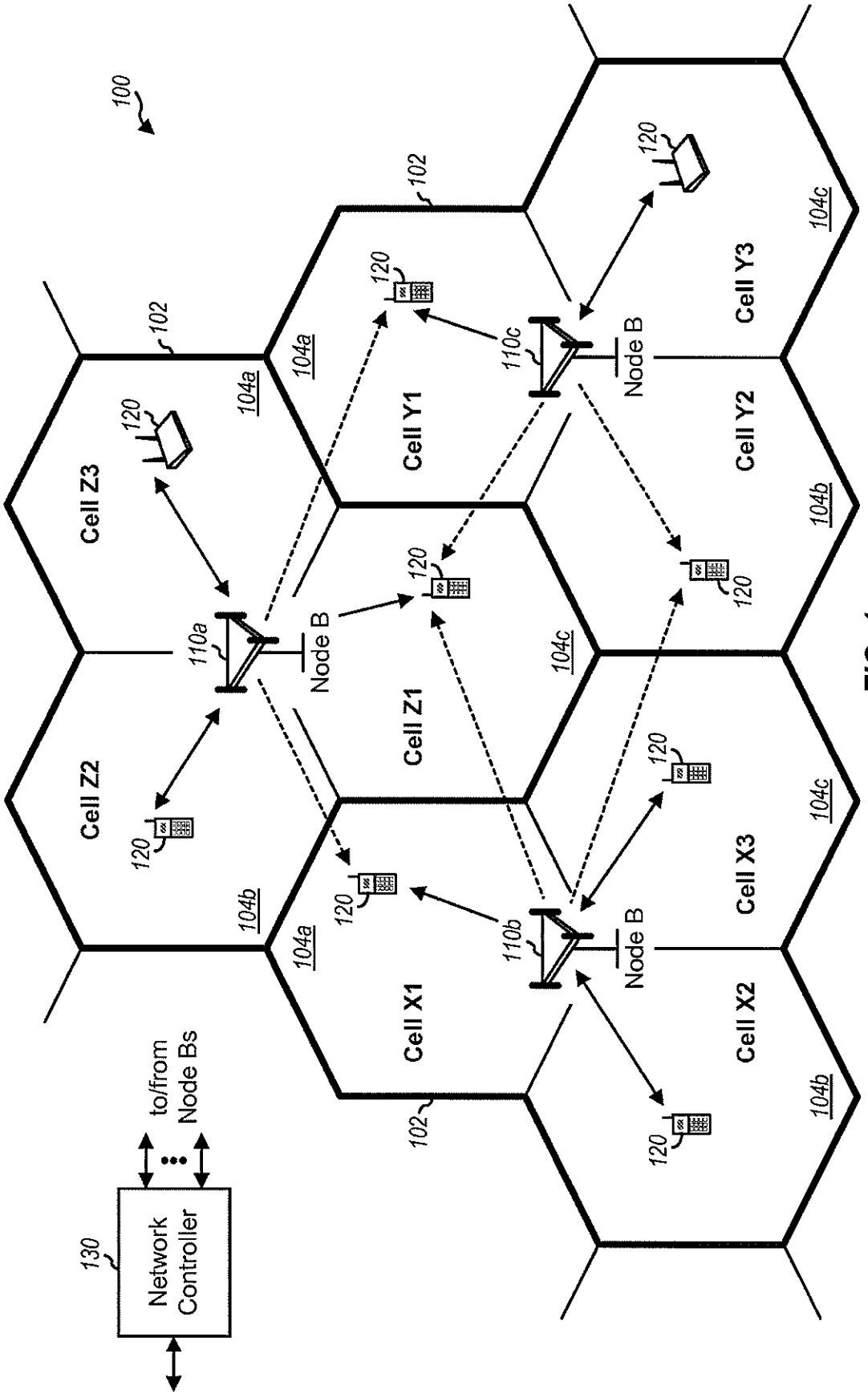

100
102
104a
104b
104c
110a
110b
110c
120
130
Node B
Cell Z1
Cell Z2
Cell Z3
Cell Y1
Cell Y2
Cell Y3
Cell X1
Cell X2
Cell X3
Network Controller
to/from Node Bs

FIG. 1

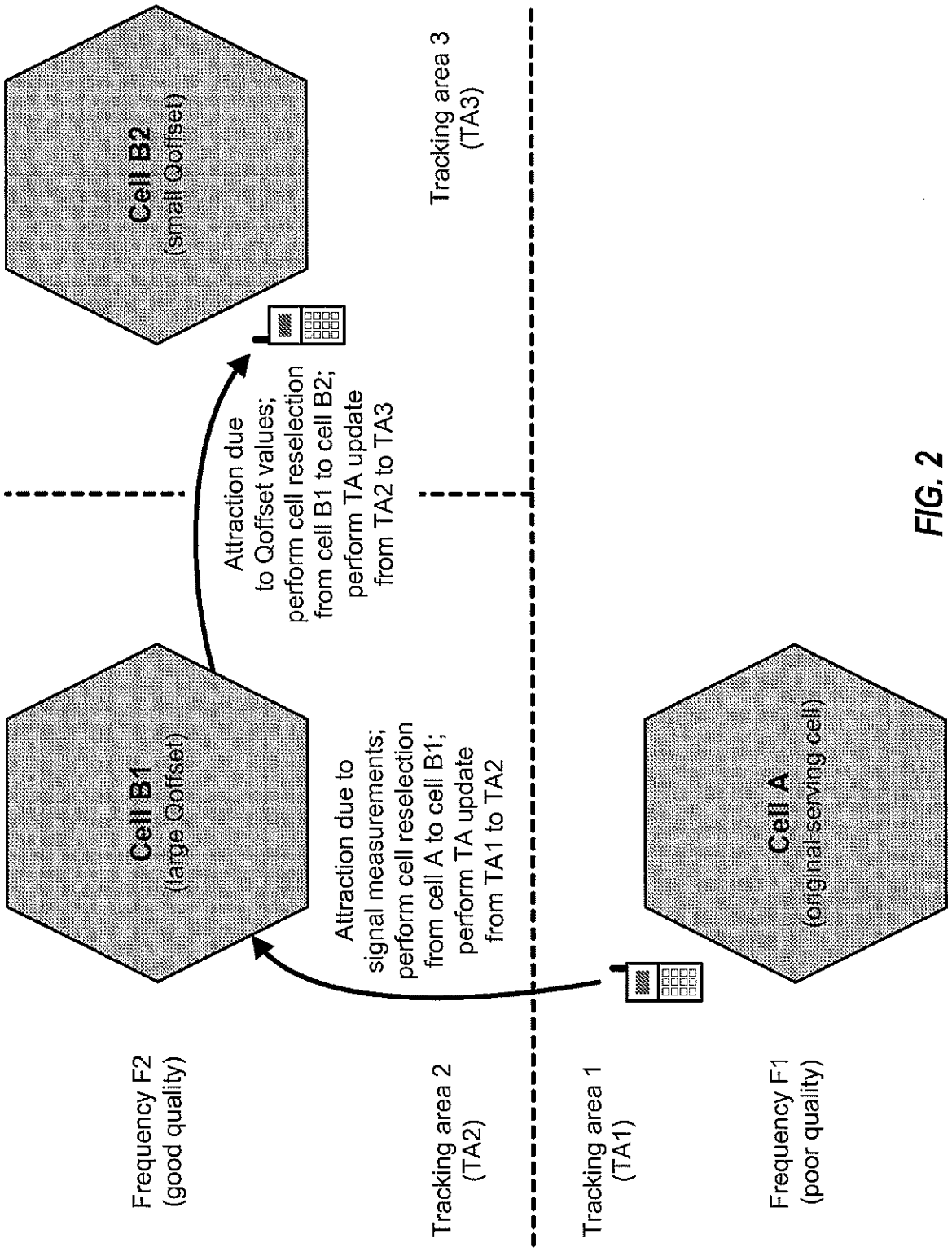

Cell B2
(small Qoffset)
Cell B1
(large Qoffset)
Cell A
(orginal serving cell)
Attraction due
to Qoffset values;
perform cell reselection
from cell B1 to cell B2;
perform TA update
from TA2 to TA3
Attraction due to
signal measurements;
perform cell reselection
from cell A to cell B1;
perform TA update
from TA1 to TA2
Tracking area 3
(TA3)
Tracking area 2
(TA2)
Tracking area 1
(TA1)
Frequency F2
(good quality)
Frequency F1
(poor quality)

FIG. 2

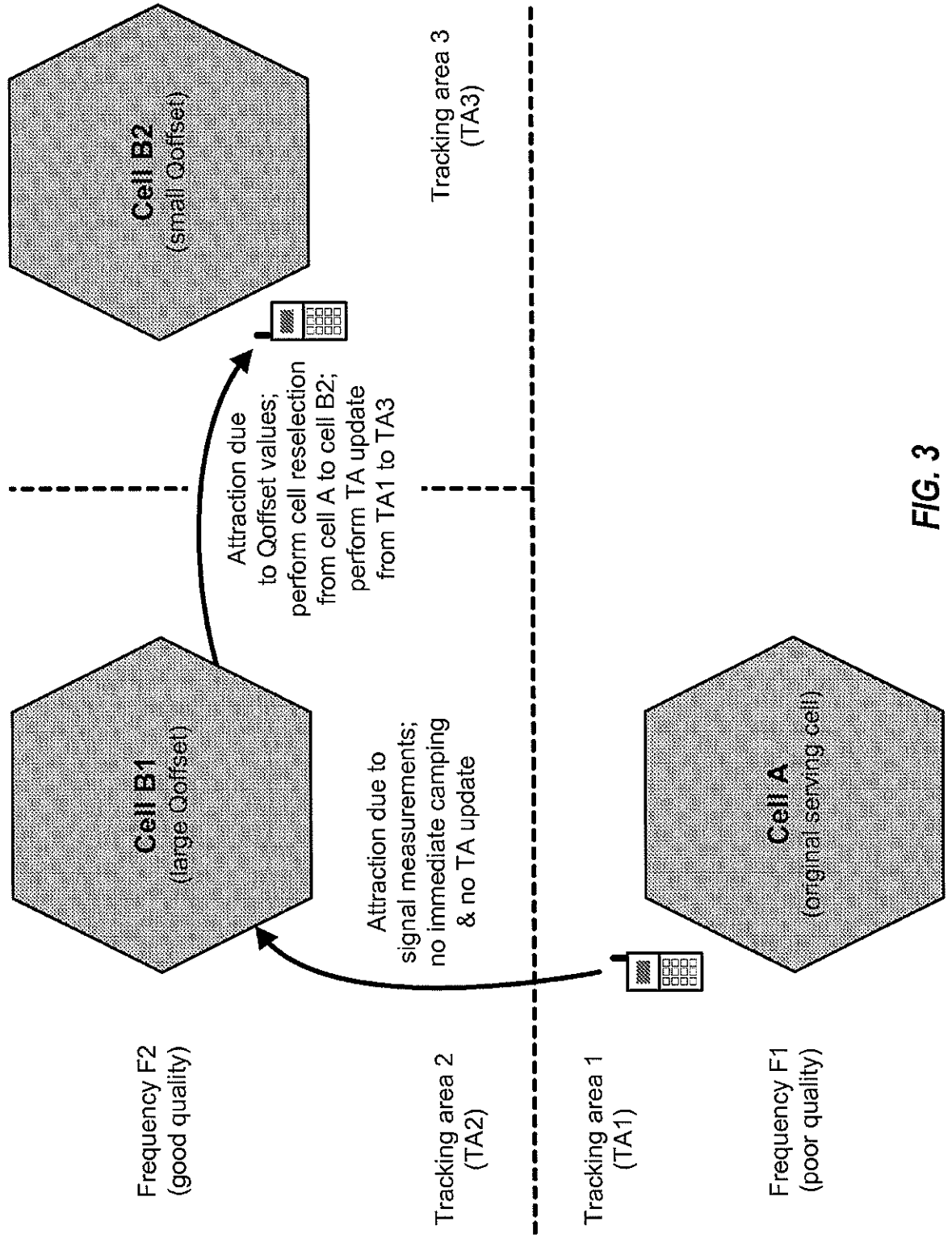

Cell B2
(small Qoffset)
Cell B1
(large Qoffset)
Cell A
(original serving cell)
Attraction due
to Qoffset values;
perform cell reselection
from cell A to cell B2;
perform TA update
from TA1 to TA3
Attraction due to
signal measurements;
no immediate camping
& no TA update
Tracking area 3
(TA3)
Tracking area 2
(TA2)
Tracking area 1
(TA1)
Frequency F2
(good quality)
Frequency F1
(poor quality)

FIG. 3

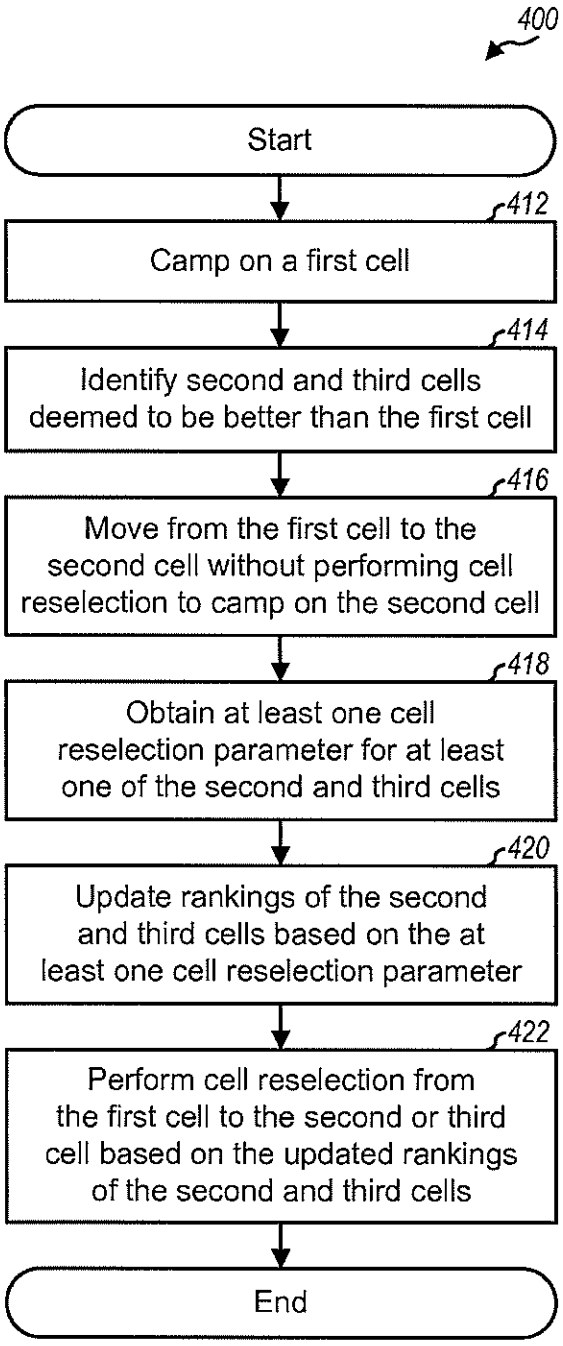

400
Start
412
Camp on a first cell
414
Identify second and third cells deemed to be better than the first cell
416
Move from the first cell to the second cell without performing cell reselection to camp on the second cell
418
Obtain at least one cell reselection parameter for at least one of the second and third cells
420
Update rankings of the second and third cells based on the at least one cell reselection parameter
422
Perform cell reselection from the first cell to the second or third cell based on the updated rankings of the second and third cells
End

FIG. 4

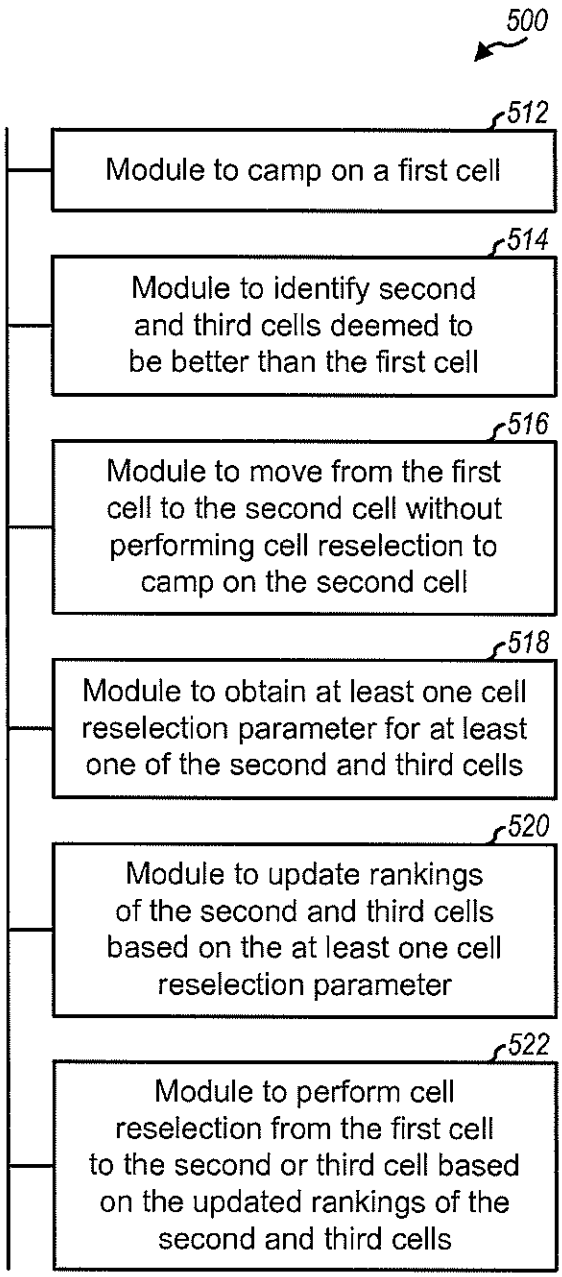

500
512
Module to camp on a first cell
514
Module to identify second and third cells deemed to be better than the first cell
516
Module to move from the first cell to the second cell without performing cell reselection to camp on the second cell
518
Module to obtain at least one cell reselection parameter for at least one of the second and third cells
520
Module to update rankings of the second and third cells based on the at least one cell reselection parameter
522
Module to perform cell reselection from the first cell to the second or third cell based on the updated rankings of the second and third cells

FIG. 5

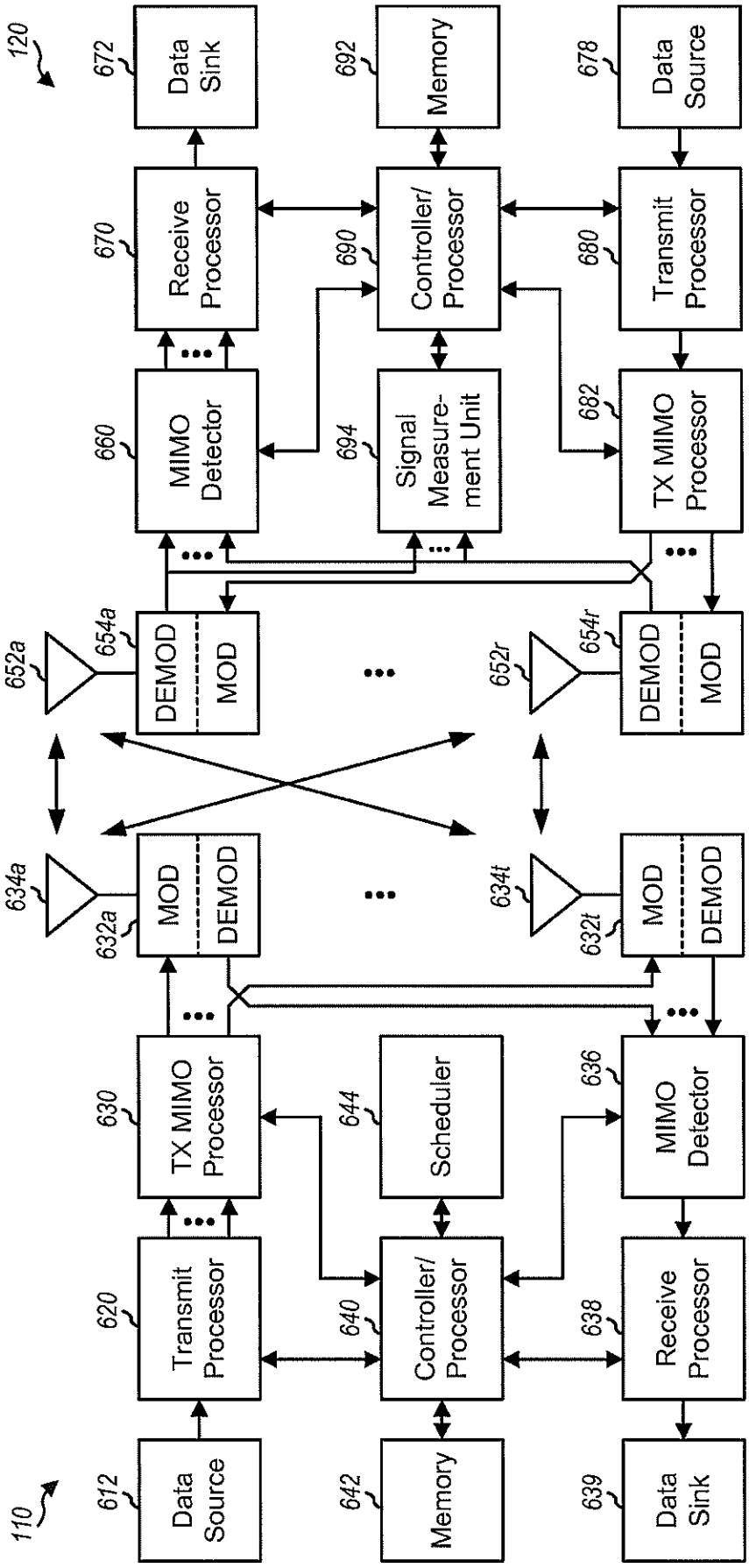

120
672
Data Sink
692
Memory
678
Data Source
670
Receive Processor
690
Controller/ Processor
680
Transmit Processor
660
MIMO Detector
694
Signal Measure-ment Unit
682
TX MIMO Processor
652a
654a
DEMOD
MOD
652r
654r
DEMOD
MOD
634a
632a
MOD
DEMOD
634t
632t
MOD
DEMOD
630
TX MIMO Processor
644
Scheduler
636
MIMO Detector
620
Transmit Processor
640
Controller/ Processor
638
Receive Processor
110
612
Data Source
642
Memory
639
Data Sink

FIG. 6