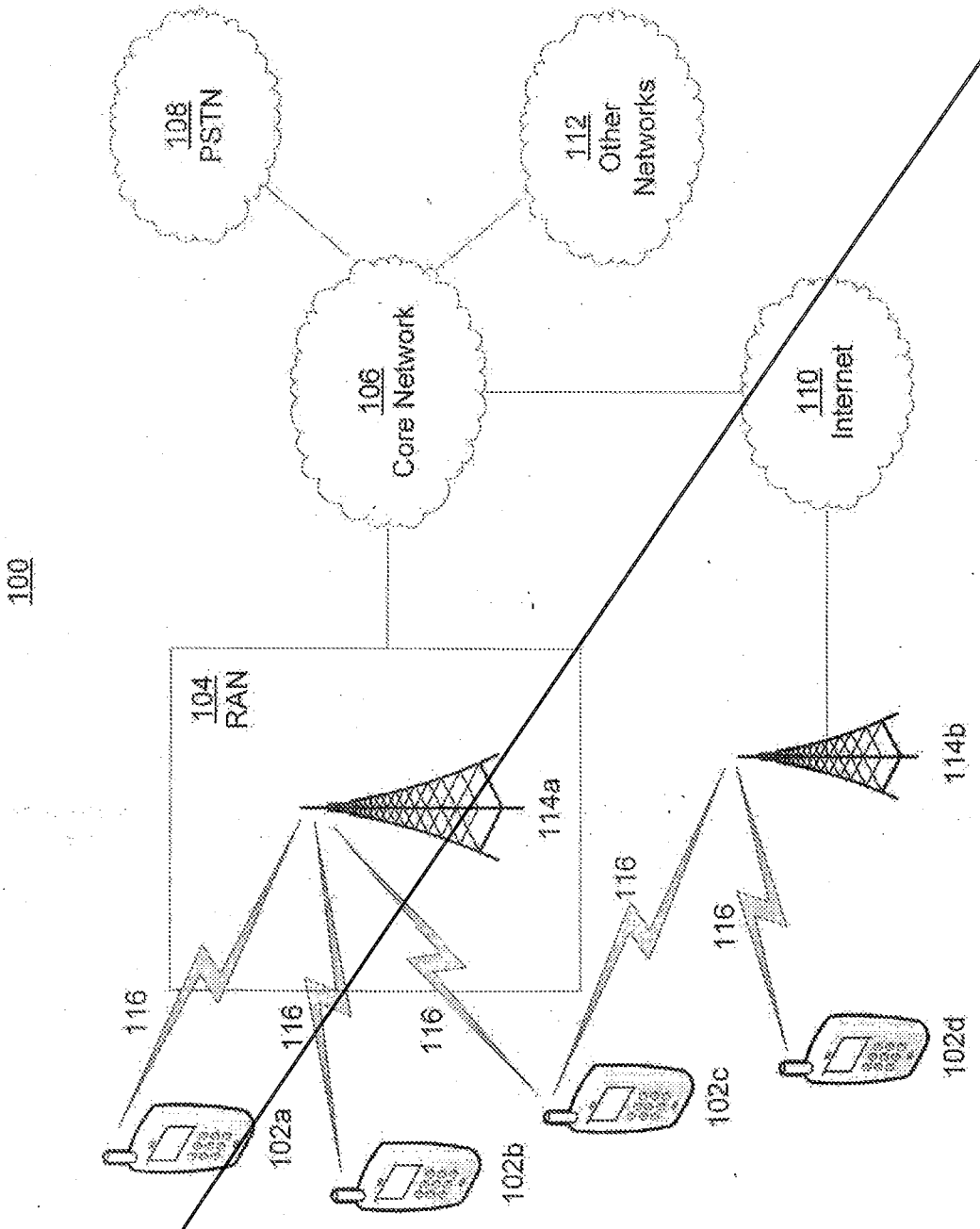
100
108 PSTN
112 Other Networks
106 Core Network
110 Internet
104 RAN
114a
114b
116
102a
102b
102c
102d

FIG. 1A

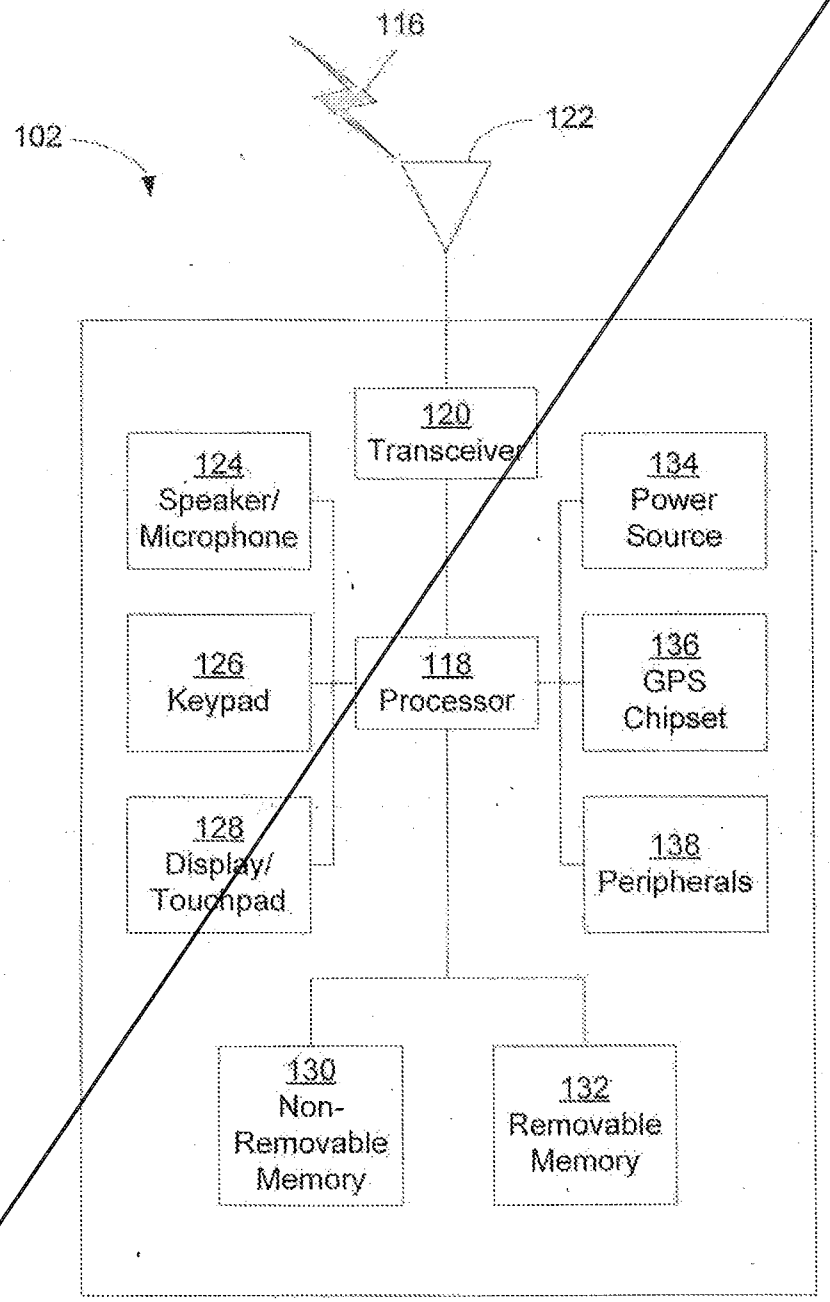
116
122
102
120
Transceiver
124
Speaker/
Microphone
134
Power
Source
126
Keypad
118
Processor
136
GPS
Chipset
128
Display/
Touchpad
138
Peripherals
130
Non-
Removable
Memory
132
Removable
Memory

FIG. 1B

108 PSTN
110 Internet
112 Other Networks
106 Core Network
144 MGW
150 GGSN
146 MSC
148 SGSN
IuCS
IuPS
104 RAN
142a RNC
142b RNC
Iur
Iub
Iub
Iub
140a Node-B
140b Node-B
140c Node-B
116
116
116
102a
102b
102c

FIG. 1C

RRC_CONNECTED
RRC_IDLE
202
No / Low Mobility
204
Normal Mobility
206
Connected Mode
208
No / Low Mobility Trigger
210
Trigger to move out of No / Low Mobility state
212
RRC Connection Establishment
214
RRC Connection Release

FIG. 2

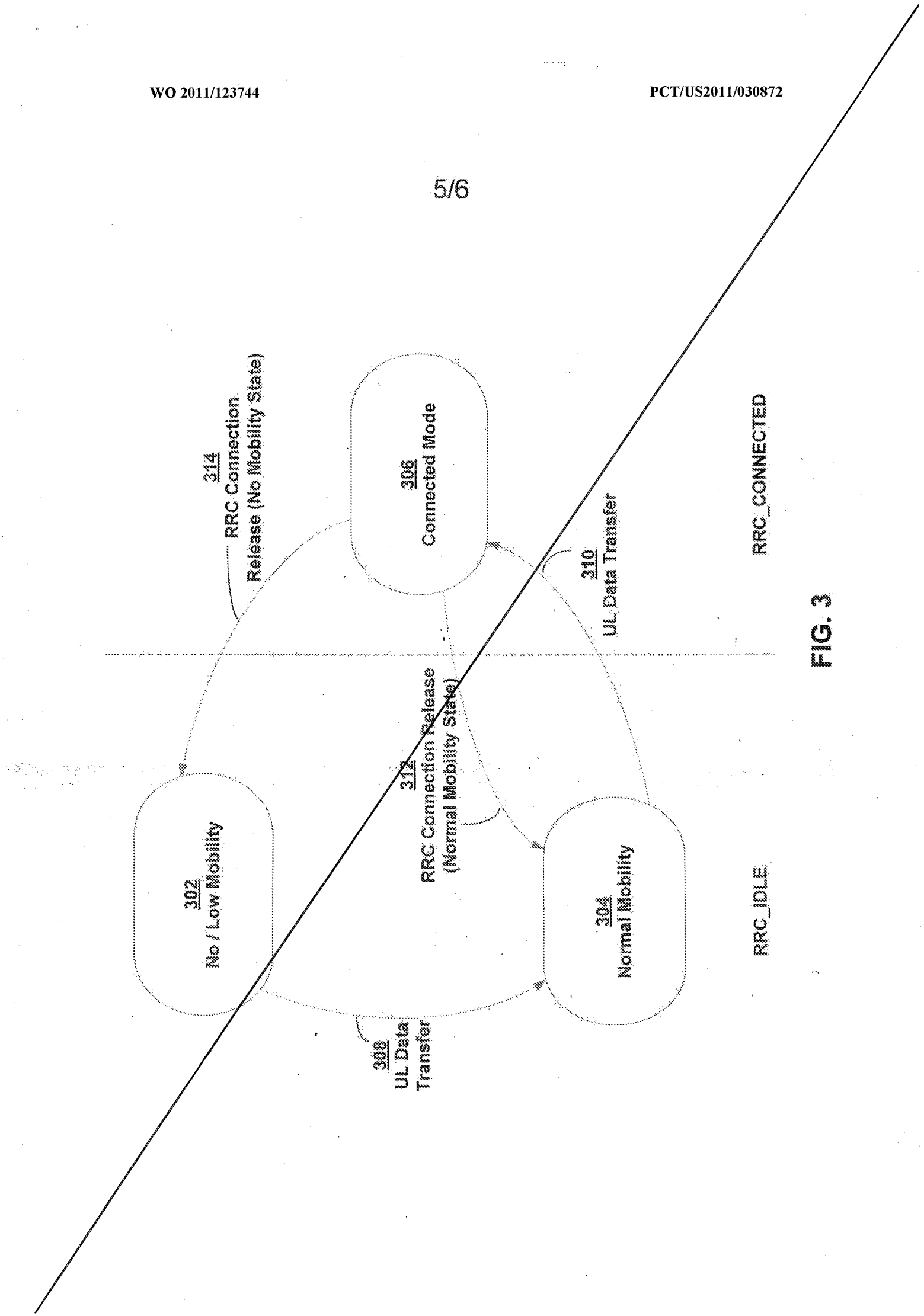
314
RRC Connection
Release (No Mobility State)
306
Connected Mode
310
UL Data Transfer
RRC_CONNECTED
312
RRC Connection Release
(Normal Mobility State)
302
No / Low Mobility
304
Normal Mobility
308
UL Data
Transfer
RRC_IDLE

FIG. 3

RRC_CONNECTED
RRC_IDLE
408 Connected Mode
406 No Mobility
404 Normal Mobility
402 Low Mobility
410 No Mobility Trigger
412 Low Mobility Trigger
414 Low Mobility Trigger
416 Trigger to move out of Low Mobility
418 No Mobility Trigger
420 Trigger to move out of No Mobility
422 RRC Connection Release
424 RRC Connection Establishment

FIG. 4

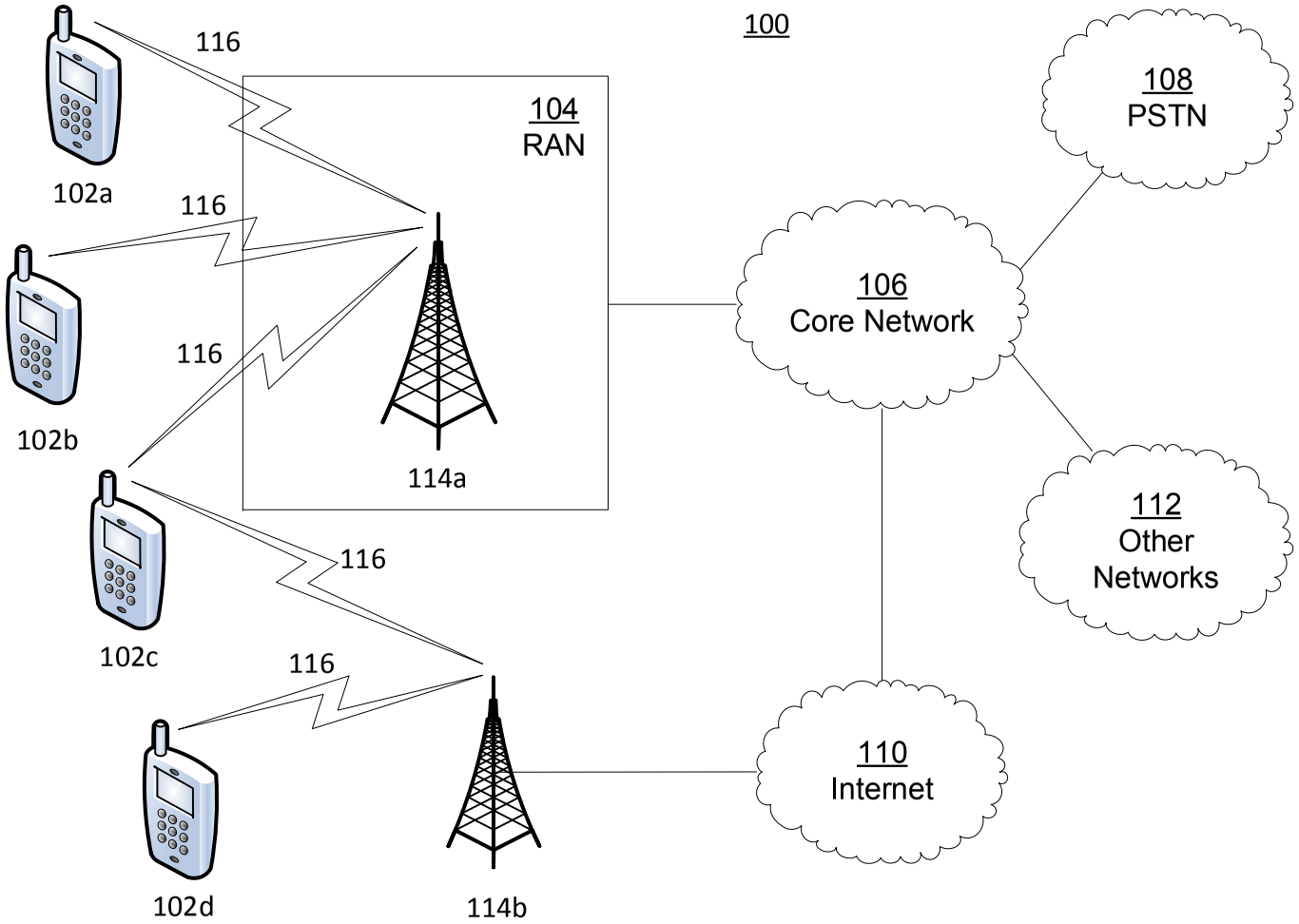
100
104
RAN
116
116
116
116
116
102a
102b
102c
102d
114a
114b
106
Core Network
108
PSTN
112
Other
Networks
110
Internet

FIG. 1A

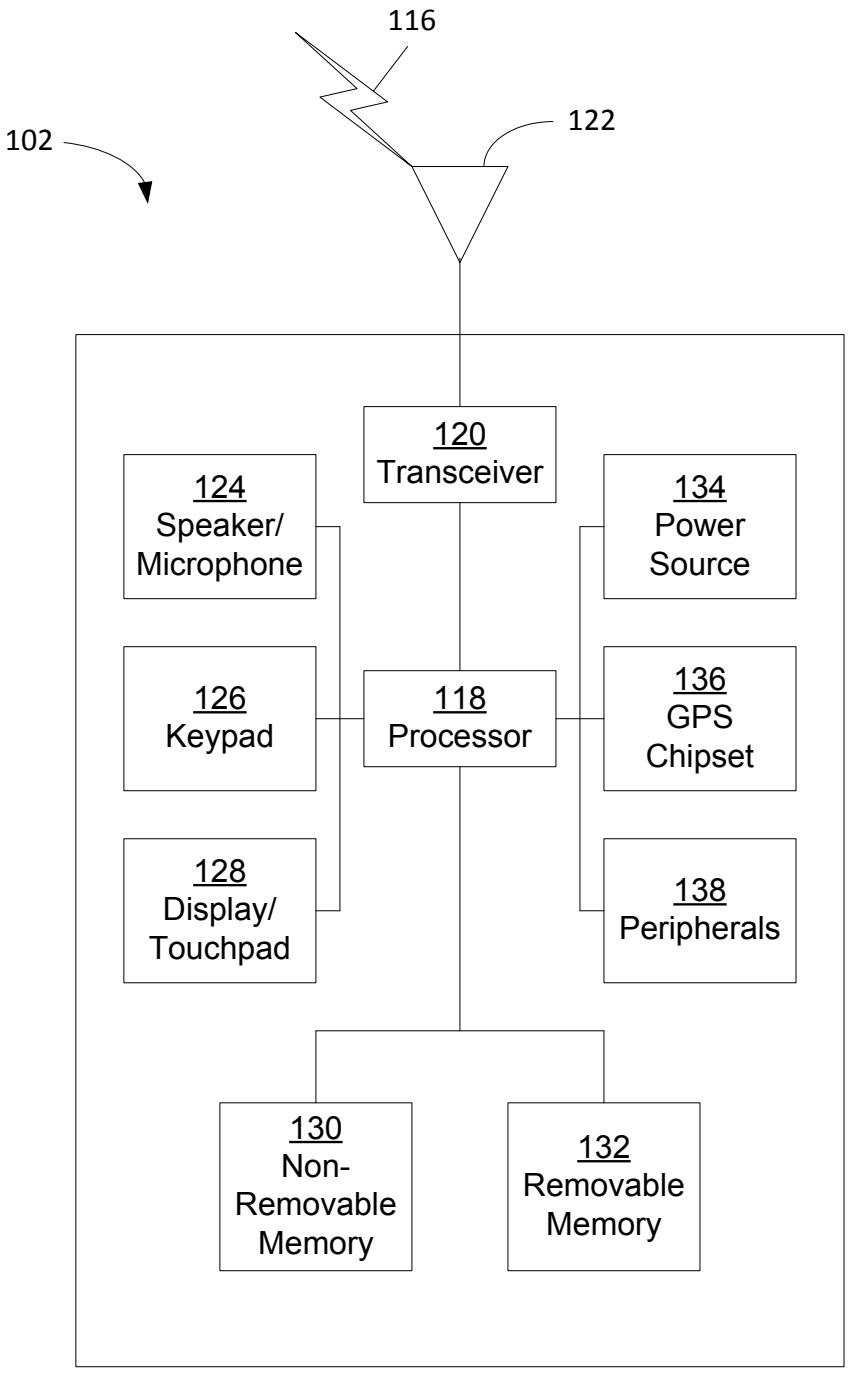
116
122
102
120
Transceiver
124
Speaker/
Microphone
134
Power
Source
126
Keypad
118
Processor
136
GPS
Chipset
128
Display/
Touchpad
138
Peripherals
130
Non-
Removable
Memory
132
Removable
Memory

FIG. 1B

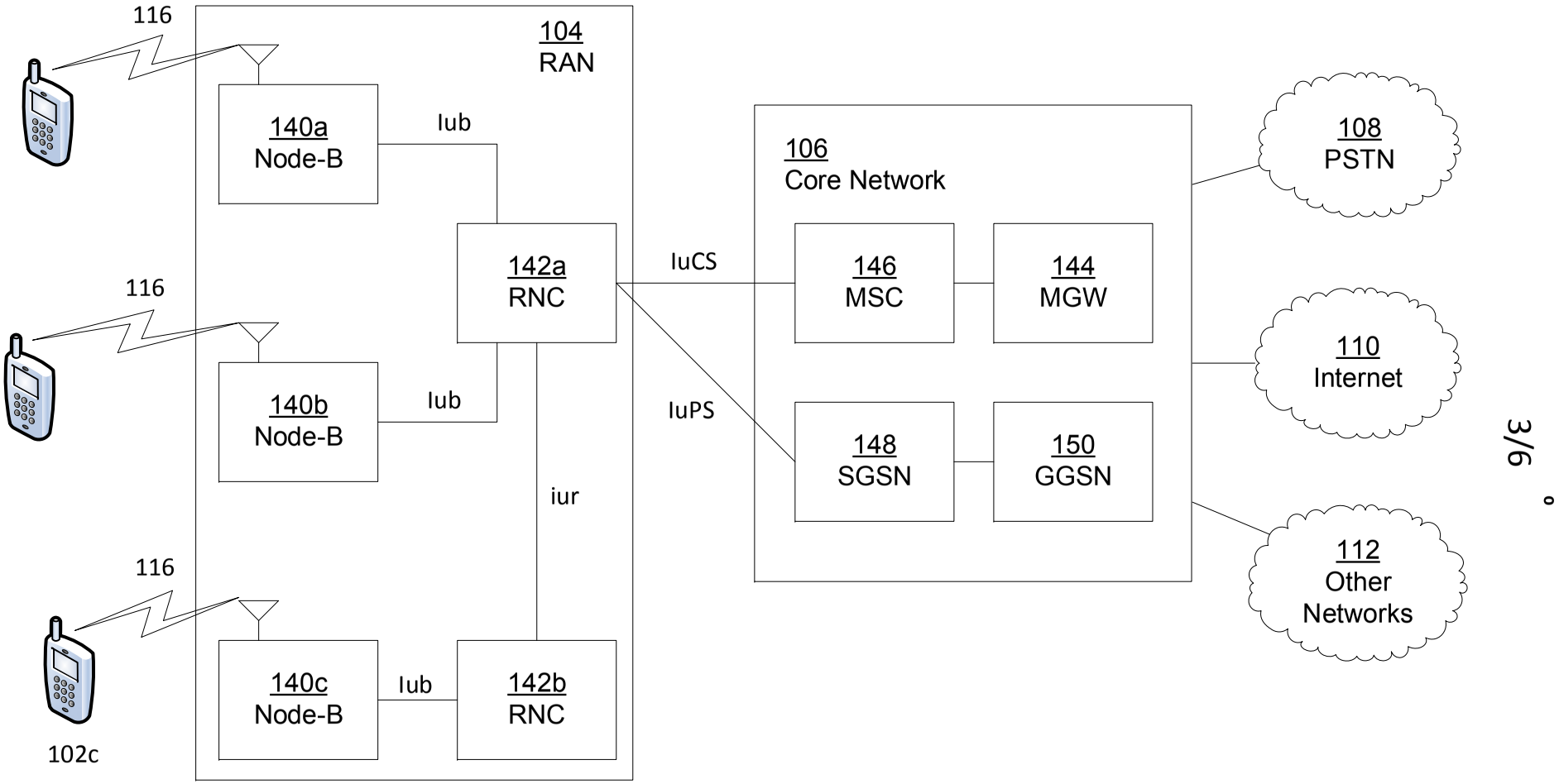
116
104
RAN
140a
Node-B
Iub
106
Core Network
108
PSTN
142a
RNC
IuCS
146
MSC
144
MGW
116
140b
Node-B
Iub
110
Internet
IuPS
148
SGSN
150
GGSN
iur
116
112
Other
Networks
140c
Node-B
Iub
142b
RNC
102c

FIG. 1C

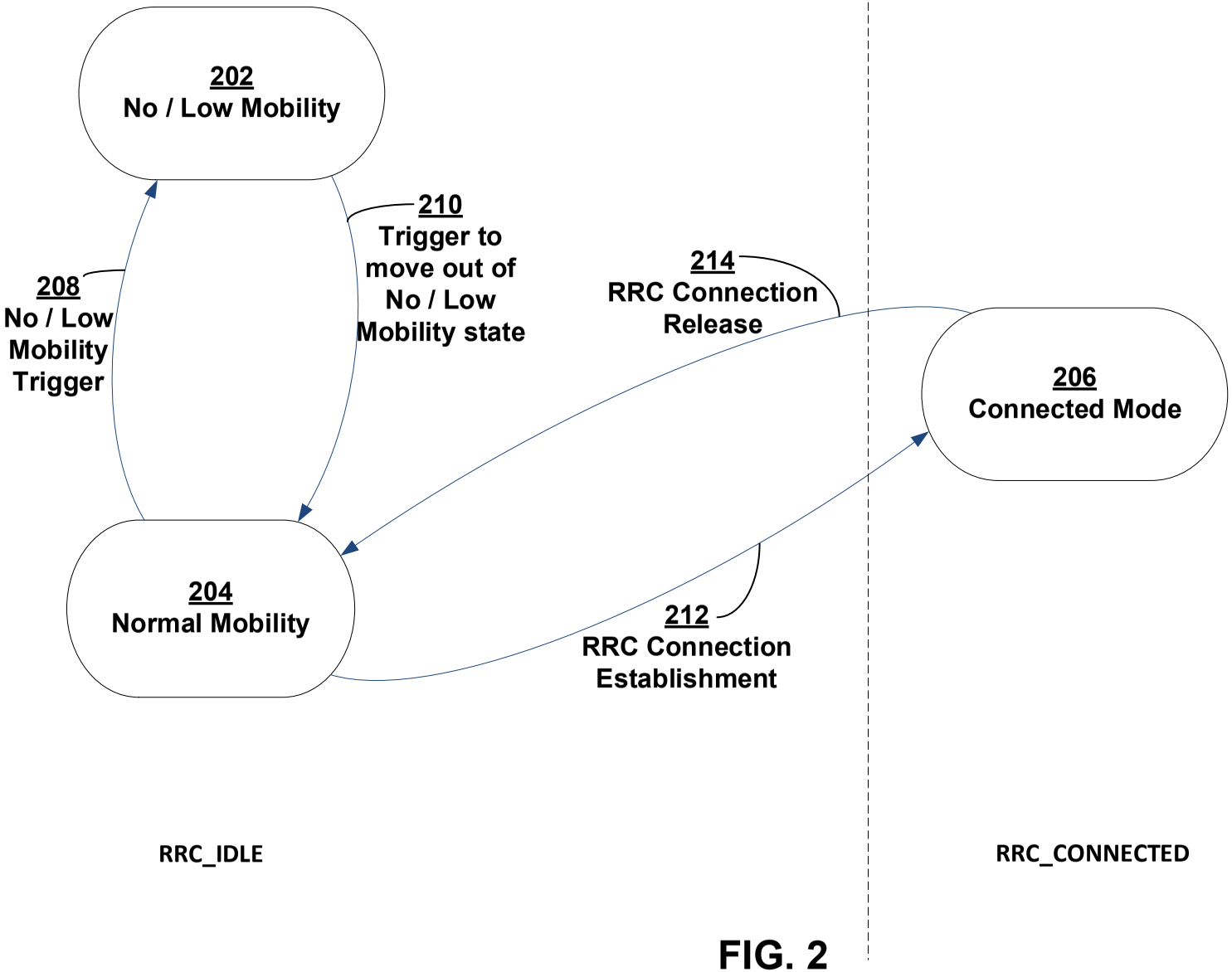
202
No / Low Mobility
210
Trigger to move out of No / Low Mobility state
208
No / Low Mobility Trigger
214
RRC Connection Release
206
Connected Mode
204
Normal Mobility
212
RRC Connection Establishment
RRC_IDLE
RRC_CONNECTED

FIG. 2

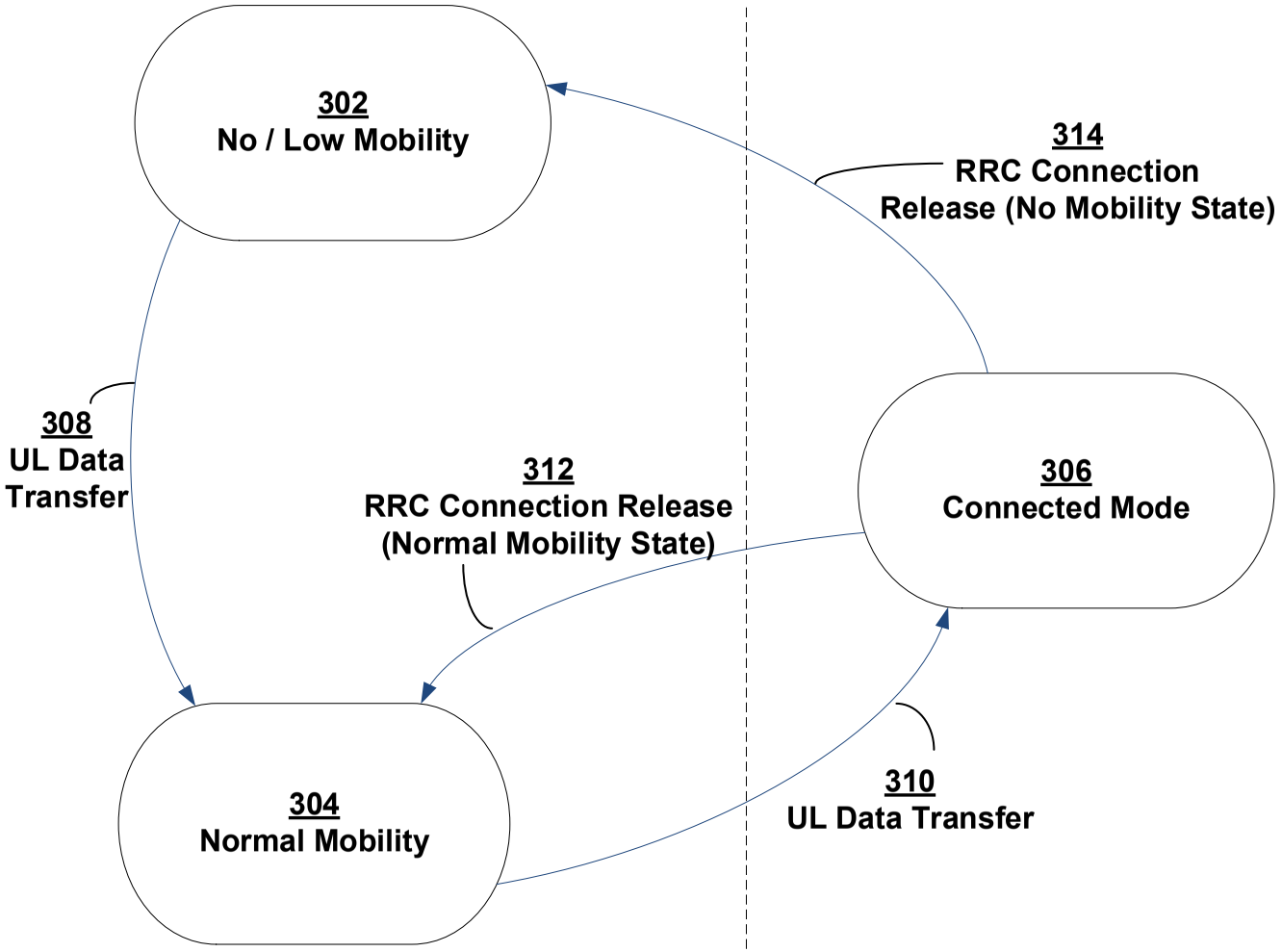
302
No / Low Mobility
314
RRC Connection
Release (No Mobility State)
308
UL Data
Transfer
312
RRC Connection Release
(Normal Mobility State)
306
Connected Mode
304
Normal Mobility
310
UL Data Transfer
RRC_IDLE
RRC_CONNECTED

FIG. 3

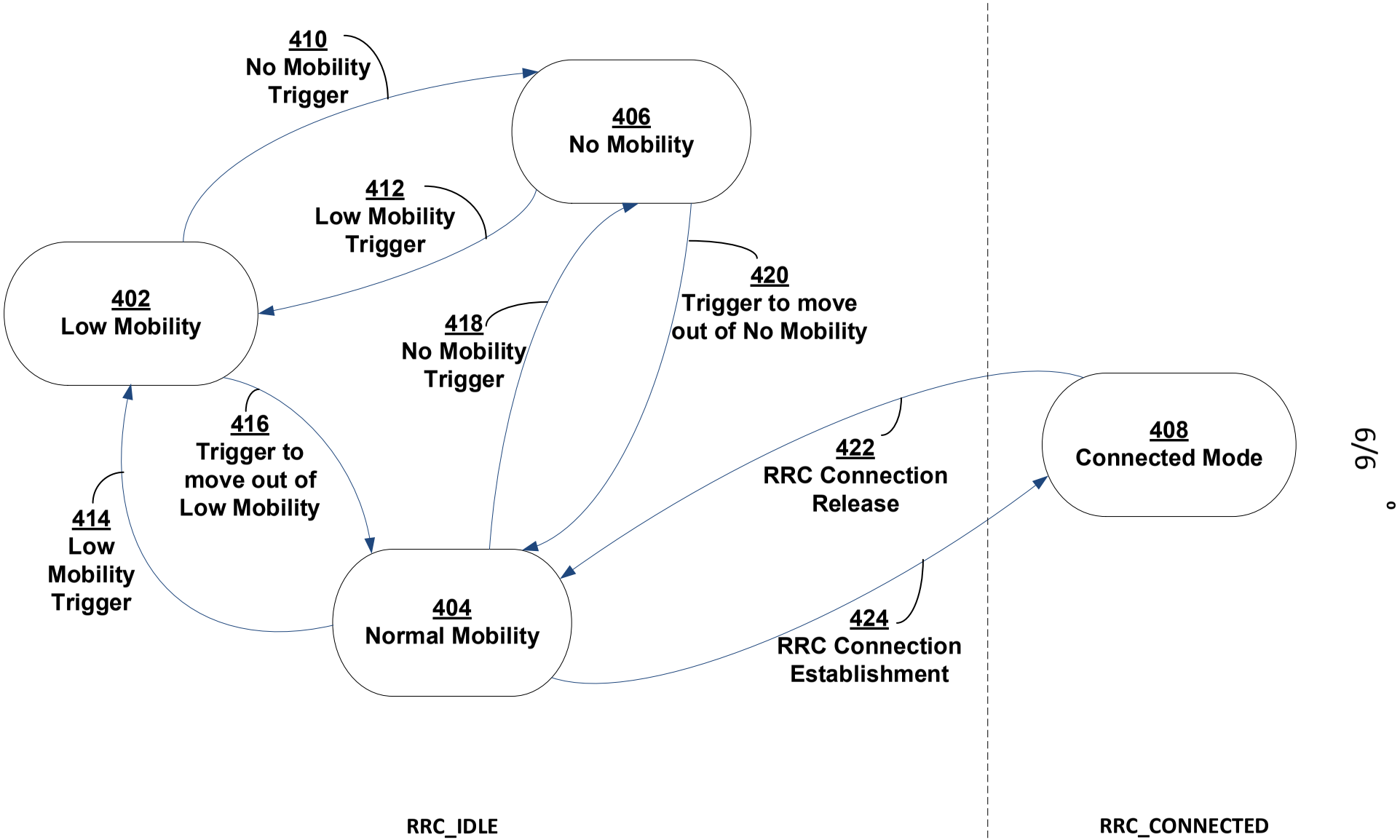
410
No Mobility
Trigger
406
No Mobility
412
Low Mobility
Trigger
402
Low Mobility
418
No Mobility
Trigger
420
Trigger to move
out of No Mobility
416
Trigger to
move out of
Low Mobility
414
Low
Mobility
Trigger
422
RRC Connection
Release
408
Connected Mode
404
Normal Mobility
424
RRC Connection
Establishment
RRC_IDLE
RRC_CONNECTED

FIG. 4