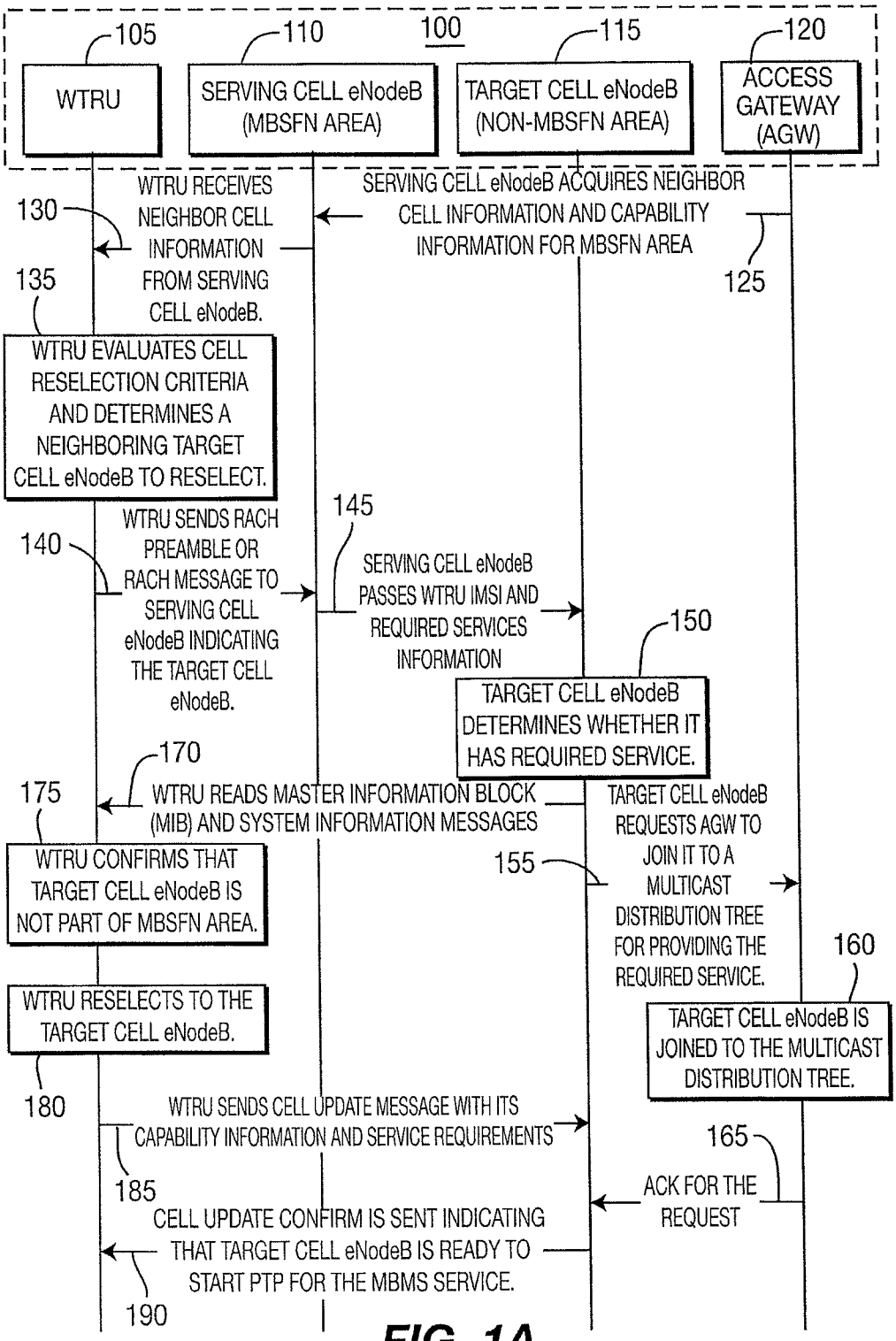

100
105
WTRU
110
SERVING CELL eNodeB (MBSFN AREA)
115
TARGET CELL eNodeB (NON-MBSFN AREA)
120
ACCESS GATEWAY (AGW)
130
WTRU RECEIVES NEIGHBOR CELL INFORMATION FROM SERVING CELL eNodeB.
SERVING CELL eNodeB ACQUIRES NEIGHBOR CELL INFORMATION AND CAPABILITY INFORMATION FOR MBSFN AREA
125
135
WTRU EVALUATES CELL RESELECTION CRITERIA AND DETERMINES A NEIGHBORING TARGET CELL eNodeB TO RESELECT.
140
WTRU SENDS RACH PREAMBLE OR RACH MESSAGE TO SERVING CELL eNodeB INDICATING THE TARGET CELL eNodeB.
145
SERVING CELL eNodeB PASSES WTRU IMSI AND REQUIRED SERVICES INFORMATION
150
TARGET CELL eNodeB DETERMINES WHETHER IT HAS REQUIRED SERVICE.
170
175
WTRU READS MASTER INFORMATION BLOCK (MIB) AND SYSTEM INFORMATION MESSAGES
TARGET CELL eNodeB REQUESTS AGW TO JOIN IT TO A MULTICAST DISTRIBUTION TREE FOR PROVIDING THE REQUIRED SERVICE.
155
WTRU CONFIRMS THAT TARGET CELL eNodeB IS NOT PART OF MBSFN AREA.
160
TARGET CELL eNodeB IS JOINED TO THE MULTICAST DISTRIBUTION TREE.
WTRU RESELECTS TO THE TARGET CELL eNodeB.
180
WTRU SENDS CELL UPDATE MESSAGE WITH ITS CAPABILITY INFORMATION AND SERVICE REQUIREMENTS
165
185
ACK FOR THE REQUEST
CELL UPDATE CONFIRM IS SENT INDICATING THAT TARGET CELL eNodeB IS READY TO START PTP FOR THE MBMS SERVICE.
190

FIG. 1A

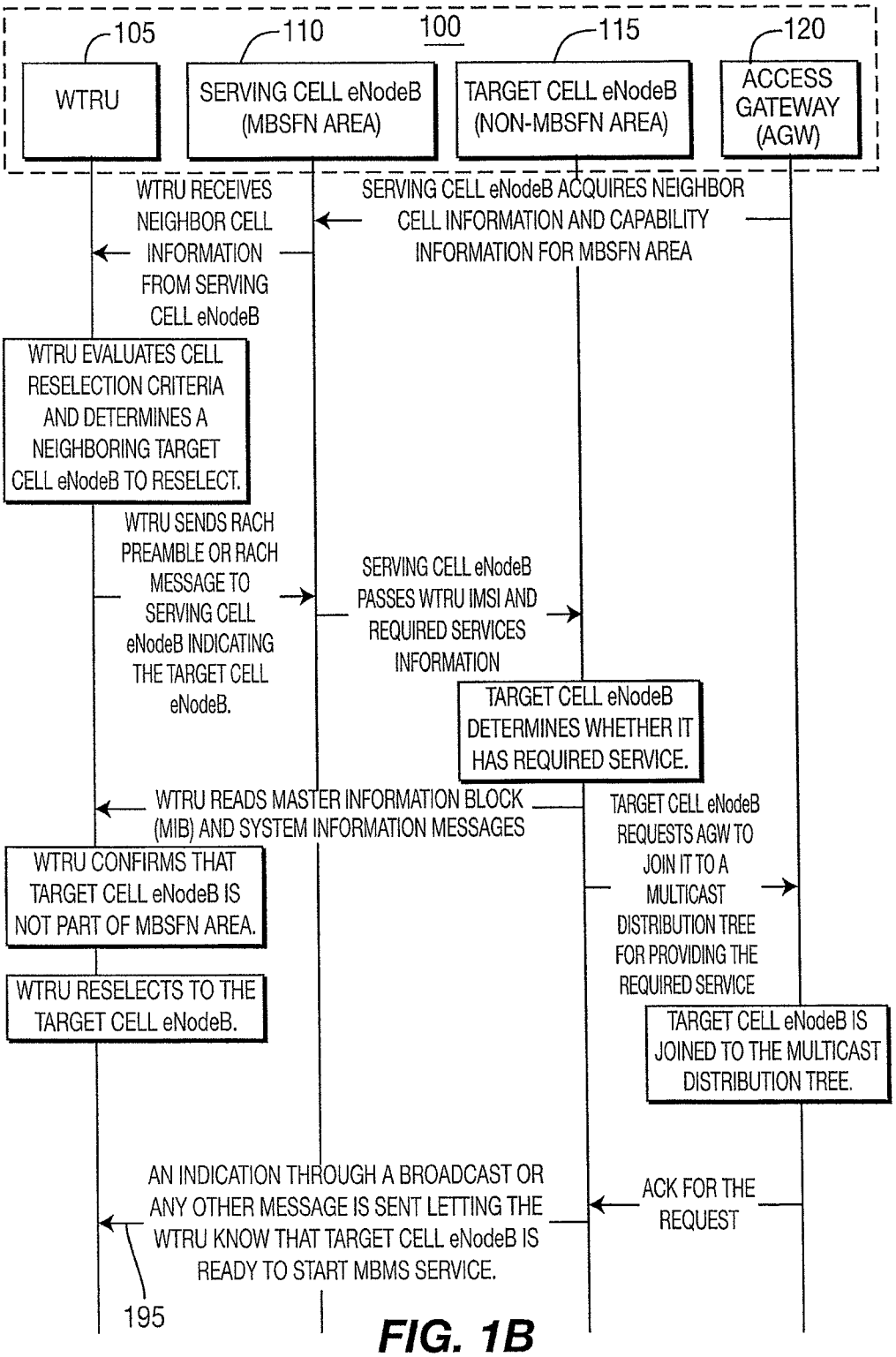

105
110
100
115
120
WTRU
SERVING CELL eNodeB (MBSFN AREA)
TARGET CELL eNodeB (NON-MBSFN AREA)
ACCESS GATEWAY (AGW)
WTRU RECEIVES NEIGHBOR CELL INFORMATION FROM SERVING CELL eNodeB
SERVING CELL eNodeB ACQUIRES NEIGHBOR CELL INFORMATION AND CAPABILITY INFORMATION FOR MBSFN AREA
WTRU EVALUATES CELL RESELECTION CRITERIA AND DETERMINES A NEIGHBORING TARGET CELL eNodeB TO RESELECT.
WTRU SENDS RACH PREAMBLE OR RACH MESSAGE TO SERVING CELL eNodeB INDICATING THE TARGET CELL eNodeB.
SERVING CELL eNodeB PASSES WTRU IMSI AND REQUIRED SERVICES INFORMATION
TARGET CELL eNodeB DETERMINES WHETHER IT HAS REQUIRED SERVICE.
WTRU READS MASTER INFORMATION BLOCK (MIB) AND SYSTEM INFORMATION MESSAGES
TARGET CELL eNodeB REQUESTS AGW TO JOIN IT TO A MULTICAST DISTRIBUTION TREE FOR PROVIDING THE REQUIRED SERVICE
WTRU CONFIRMS THAT TARGET CELL eNodeB IS NOT PART OF MBSFN AREA.
WTRU RESELECTS TO THE TARGET CELL eNodeB.
TARGET CELL eNodeB IS JOINED TO THE MULTICAST DISTRIBUTION TREE.
AN INDICATION THROUGH A BROADCAST OR ANY OTHER MESSAGE IS SENT LETTING THE WTRU KNOW THAT TARGET CELL eNodeB IS READY TO START MBMS SERVICE.
ACK FOR THE REQUEST
195

FIG. 1B

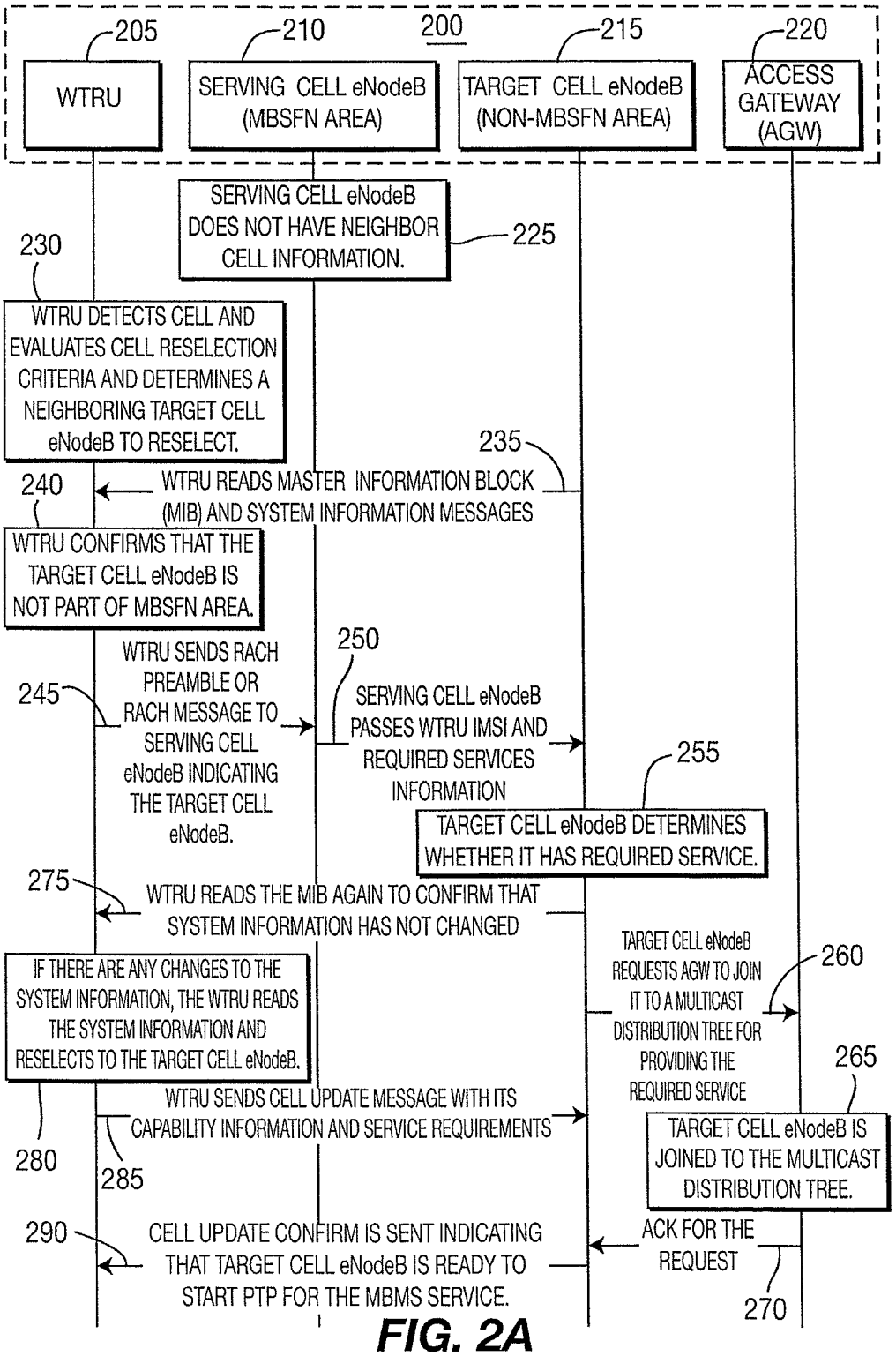

200
205
WTRU
210
SERVING CELL eNodeB (MBSFN AREA)
215
TARGET CELL eNodeB (NON-MBSFN AREA)
220
ACCESS GATEWAY (AGW)
SERVING CELL eNodeB DOES NOT HAVE NEIGHBOR CELL INFORMATION.
225
230
WTRU DETECTS CELL AND EVALUATES CELL RESELECTION CRITERIA AND DETERMINES A NEIGHBORING TARGET CELL eNodeB TO RESELECT.
235
240
WTRU READS MASTER INFORMATION BLOCK (MIB) AND SYSTEM INFORMATION MESSAGES
WTRU CONFIRMS THAT THE TARGET CELL eNodeB IS NOT PART OF MBSFN AREA.
250
245
WTRU SENDS RACH PREAMBLE OR RACH MESSAGE TO SERVING CELL eNodeB INDICATING THE TARGET CELL eNodeB.
SERVING CELL eNodeB PASSES WTRU IMSI AND REQUIRED SERVICES INFORMATION
255
TARGET CELL eNodeB DETERMINES WHETHER IT HAS REQUIRED SERVICE.
275
WTRU READS THE MIB AGAIN TO CONFIRM THAT SYSTEM INFORMATION HAS NOT CHANGED
TARGET CELL eNodeB REQUESTS AGW TO JOIN IT TO A MULTICAST DISTRIBUTION TREE FOR PROVIDING THE REQUIRED SERVICE
260
IF THERE ARE ANY CHANGES TO THE SYSTEM INFORMATION, THE WTRU READS THE SYSTEM INFORMATION AND RESELECTS TO THE TARGET CELL eNodeB.
265
WTRU SENDS CELL UPDATE MESSAGE WITH ITS CAPABILITY INFORMATION AND SERVICE REQUIREMENTS
TARGET CELL eNodeB IS JOINED TO THE MULTICAST DISTRIBUTION TREE.
280
285
290
CELL UPDATE CONFIRM IS SENT INDICATING THAT TARGET CELL eNodeB IS READY TO START PTP FOR THE MBMS SERVICE.
ACK FOR THE REQUEST
270

FIG. 2A

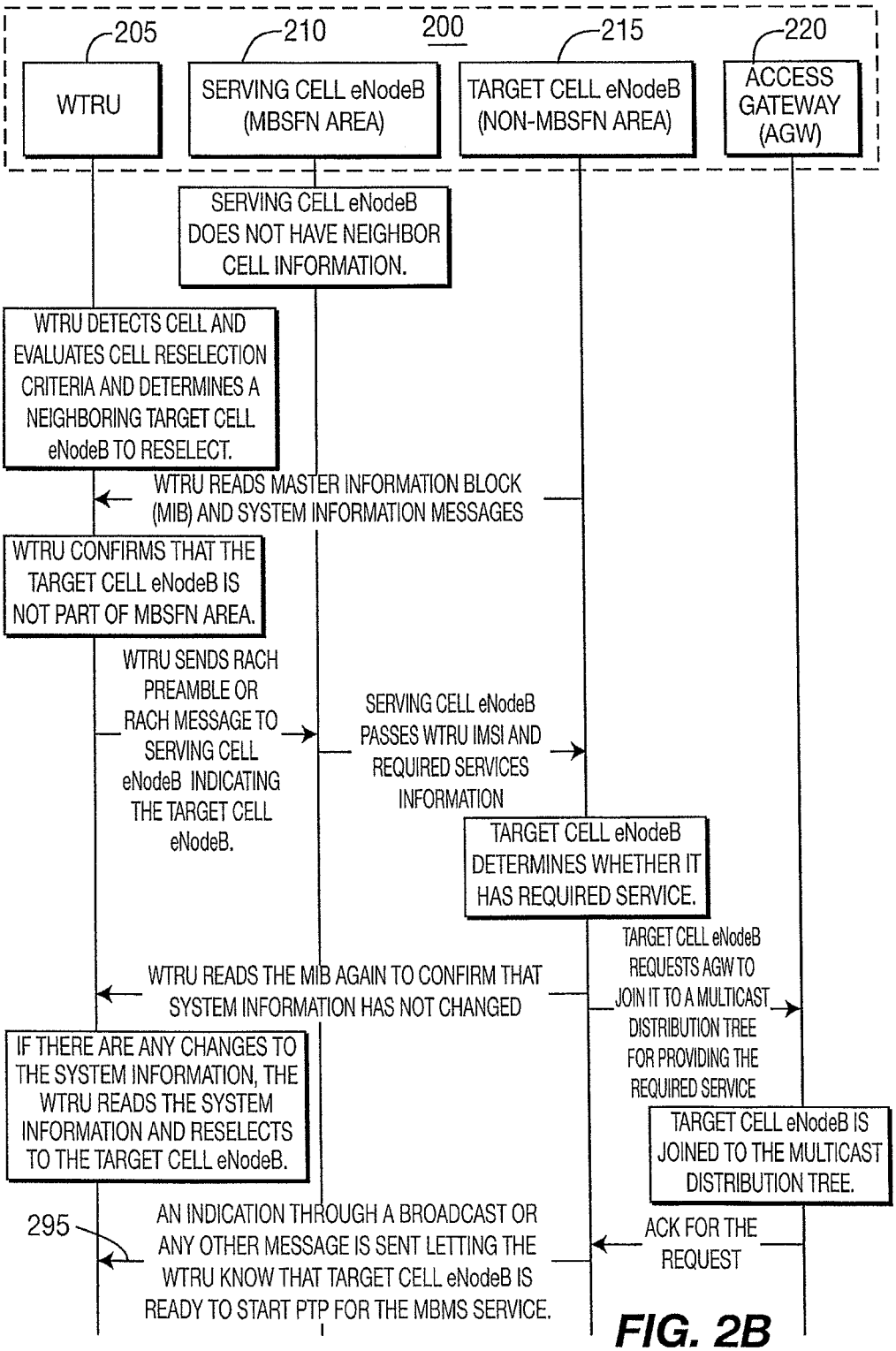

200
205
WTRU
210
SERVING CELL eNodeB (MBSFN AREA)
215
TARGET CELL eNodeB (NON-MBSFN AREA)
220
ACCESS GATEWAY (AGW)
SERVING CELL eNodeB DOES NOT HAVE NEIGHBOR CELL INFORMATION.
WTRU DETECTS CELL AND EVALUATES CELL RESELECTION CRITERIA AND DETERMINES A NEIGHBORING TARGET CELL eNodeB TO RESELECT.
WTRU READS MASTER INFORMATION BLOCK (MIB) AND SYSTEM INFORMATION MESSAGES
WTRU CONFIRMS THAT THE TARGET CELL eNodeB IS NOT PART OF MBSFN AREA.
WTRU SENDS RACH PREAMBLE OR RACH MESSAGE TO SERVING CELL eNodeB INDICATING THE TARGET CELL eNodeB.
SERVING CELL eNodeB PASSES WTRU IMSI AND REQUIRED SERVICES INFORMATION
TARGET CELL eNodeB DETERMINES WHETHER IT HAS REQUIRED SERVICE.
TARGET CELL eNodeB REQUESTS AGW TO JOIN IT TO A MULTICAST DISTRIBUTION TREE FOR PROVIDING THE REQUIRED SERVICE
WTRU READS THE MIB AGAIN TO CONFIRM THAT SYSTEM INFORMATION HAS NOT CHANGED
IF THERE ARE ANY CHANGES TO THE SYSTEM INFORMATION, THE WTRU READS THE SYSTEM INFORMATION AND RESELECTS TO THE TARGET CELL eNodeB.
TARGET CELL eNodeB IS JOINED TO THE MULTICAST DISTRIBUTION TREE.
295
AN INDICATION THROUGH A BROADCAST OR ANY OTHER MESSAGE IS SENT LETTING THE WTRU KNOW THAT TARGET CELL eNodeB IS READY TO START PTP FOR THE MBMS SERVICE.
ACK FOR THE REQUEST

FIG. 2B

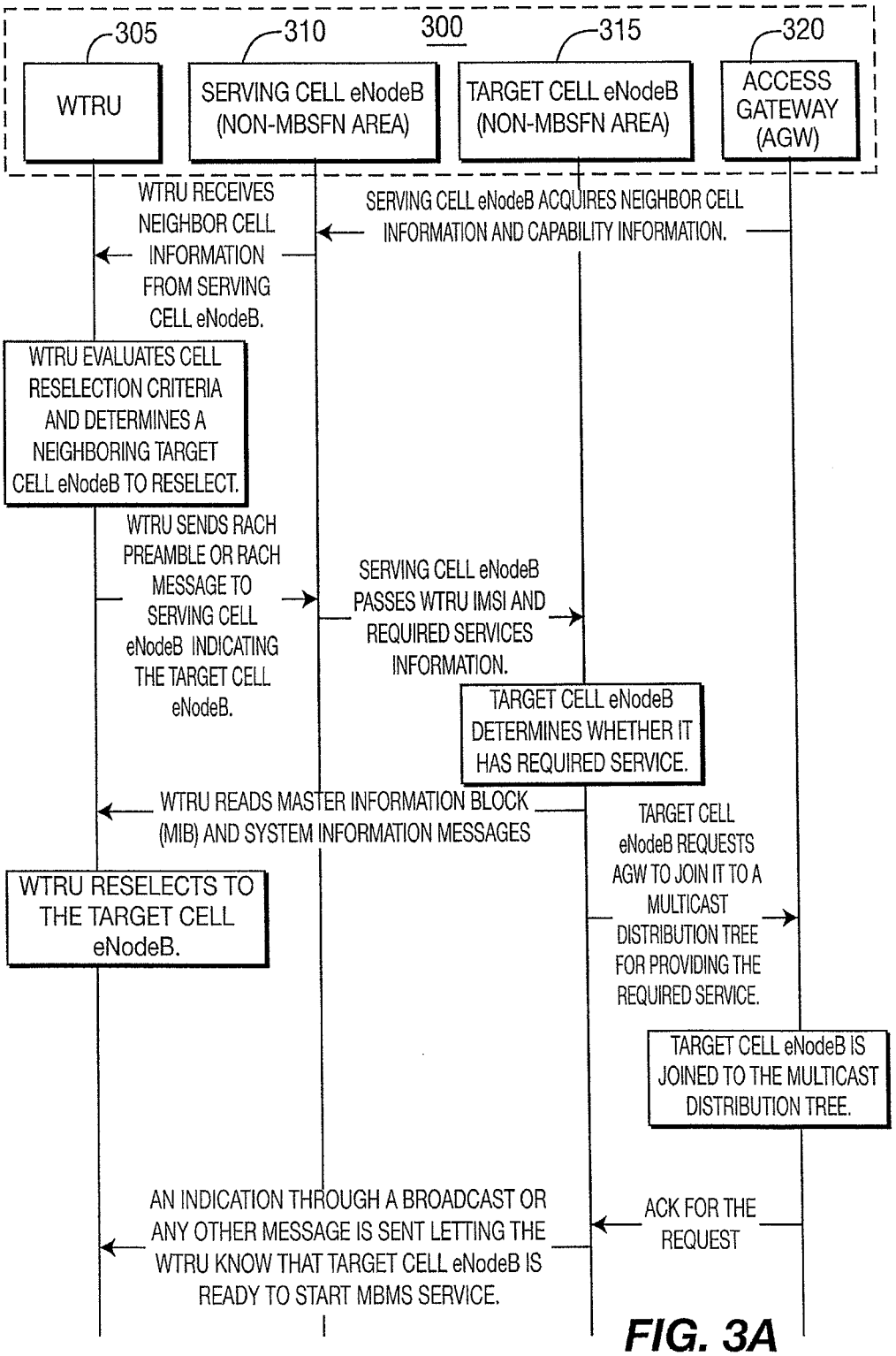

300
305
WTRU
310
SERVING CELL eNodeB (NON-MBSFN AREA)
315
TARGET CELL eNodeB (NON-MBSFN AREA)
320
ACCESS GATEWAY (AGW)
WTRU RECEIVES NEIGHBOR CELL INFORMATION FROM SERVING CELL eNodeB.
SERVING CELL eNodeB ACQUIRES NEIGHBOR CELL INFORMATION AND CAPABILITY INFORMATION.
WTRU EVALUATES CELL RESELECTION CRITERIA AND DETERMINES A NEIGHBORING TARGET CELL eNodeB TO RESELECT.
WTRU SENDS RACH PREAMBLE OR RACH MESSAGE TO SERVING CELL eNodeB INDICATING THE TARGET CELL eNodeB.
SERVING CELL eNodeB PASSES WTRU IMSI AND REQUIRED SERVICES INFORMATION.
TARGET CELL eNodeB DETERMINES WHETHER IT HAS REQUIRED SERVICE.
WTRU READS MASTER INFORMATION BLOCK (MIB) AND SYSTEM INFORMATION MESSAGES
WTRU RESELECTS TO THE TARGET CELL eNodeB.
TARGET CELL eNodeB REQUESTS AGW TO JOIN IT TO A MULTICAST DISTRIBUTION TREE FOR PROVIDING THE REQUIRED SERVICE.
TARGET CELL eNodeB IS JOINED TO THE MULTICAST DISTRIBUTION TREE.
AN INDICATION THROUGH A BROADCAST OR ANY OTHER MESSAGE IS SENT LETTING THE WTRU KNOW THAT TARGET CELL eNodeB IS READY TO START MBMS SERVICE.
ACK FOR THE REQUEST

FIG. 3A

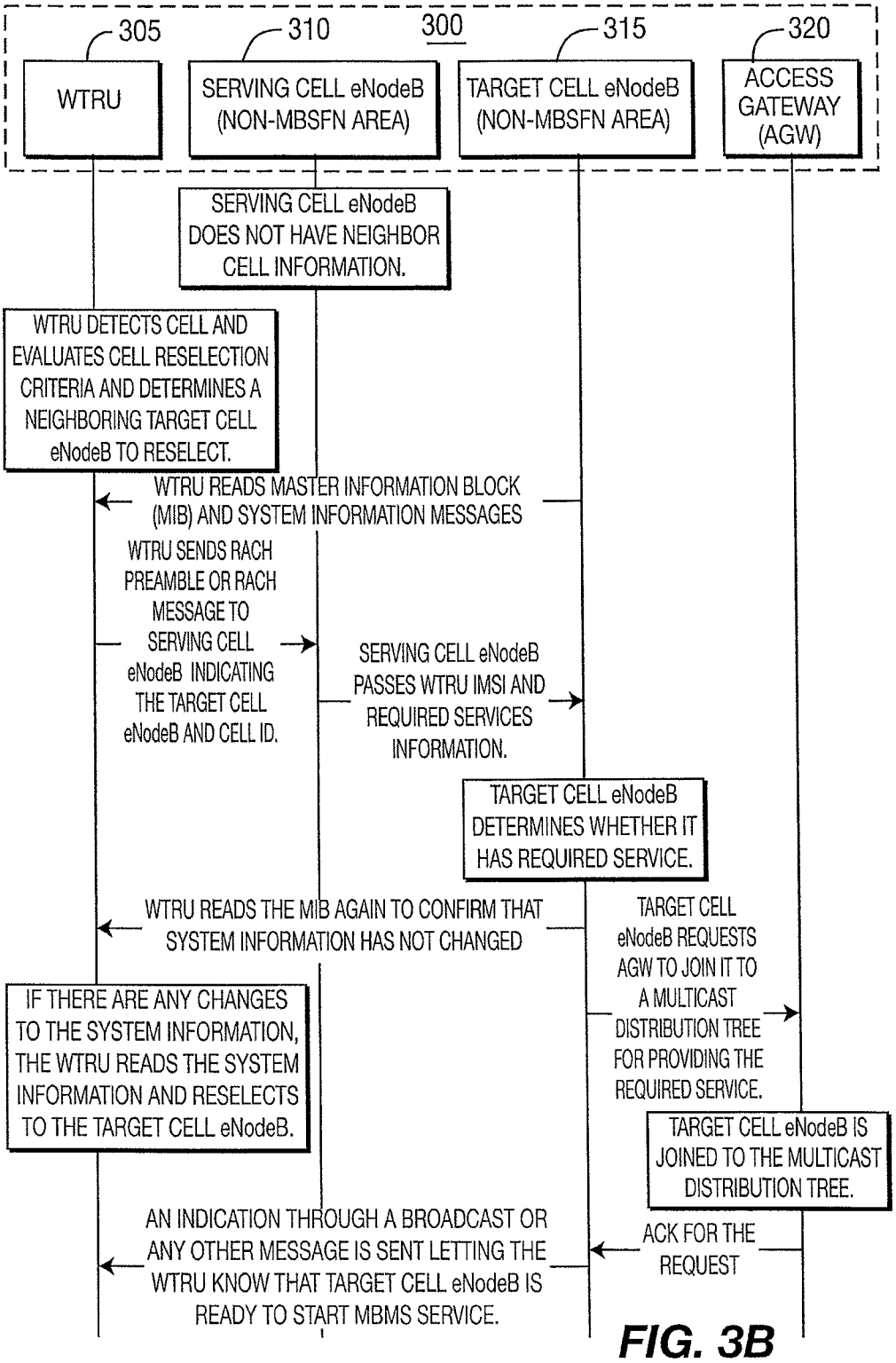

300
305
WTRU
310
SERVING CELL eNodeB (NON-MBSFN AREA)
315
TARGET CELL eNodeB (NON-MBSFN AREA)
320
ACCESS GATEWAY (AGW)
SERVING CELL eNodeB DOES NOT HAVE NEIGHBOR CELL INFORMATION.
WTRU DETECTS CELL AND EVALUATES CELL RESELECTION CRITERIA AND DETERMINES A NEIGHBORING TARGET CELL eNodeB TO RESELECT.
WTRU READS MASTER INFORMATION BLOCK (MIB) AND SYSTEM INFORMATION MESSAGES
WTRU SENDS RACH PREAMBLE OR RACH MESSAGE TO SERVING CELL eNodeB INDICATING THE TARGET CELL eNodeB AND CELL ID.
SERVING CELL eNodeB PASSES WTRU IMSI AND REQUIRED SERVICES INFORMATION.
TARGET CELL eNodeB DETERMINES WHETHER IT HAS REQUIRED SERVICE.
WTRU READS THE MIB AGAIN TO CONFIRM THAT SYSTEM INFORMATION HAS NOT CHANGED
TARGET CELL eNodeB REQUESTS AGW TO JOIN IT TO A MULTICAST DISTRIBUTION TREE FOR PROVIDING THE REQUIRED SERVICE.
IF THERE ARE ANY CHANGES TO THE SYSTEM INFORMATION, THE WTRU READS THE SYSTEM INFORMATION AND RESELECTS TO THE TARGET CELL eNodeB.
TARGET CELL eNodeB IS JOINED TO THE MULTICAST DISTRIBUTION TREE.
AN INDICATION THROUGH A BROADCAST OR ANY OTHER MESSAGE IS SENT LETTING THE WTRU KNOW THAT TARGET CELL eNodeB IS READY TO START MBMS SERVICE.
ACK FOR THE REQUEST

FIG. 3B

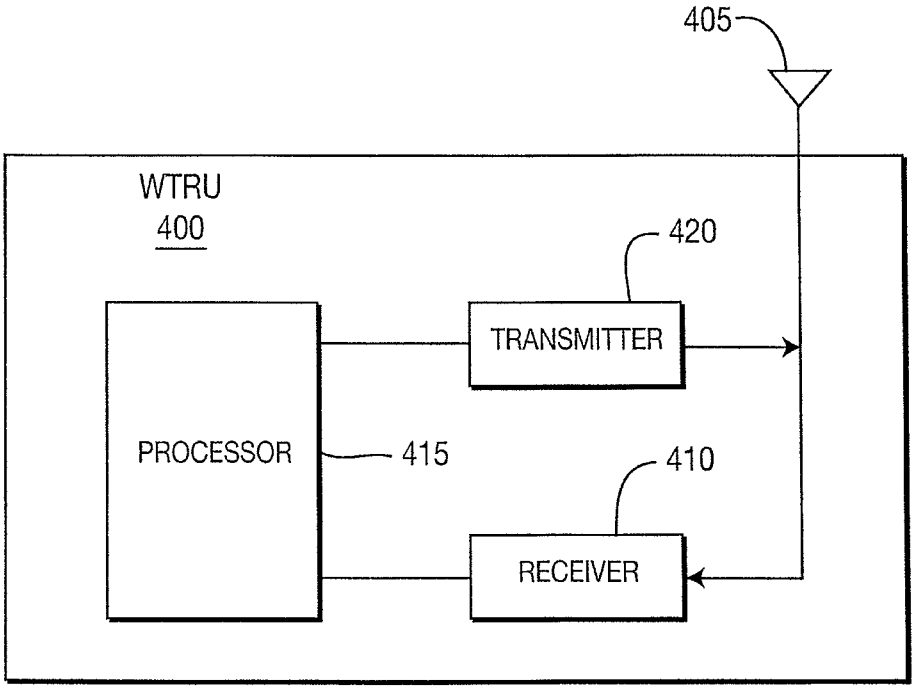

405
WTRU
400
420
TRANSMITTER
PROCESSOR
415
410
RECEIVER

FIG. 4

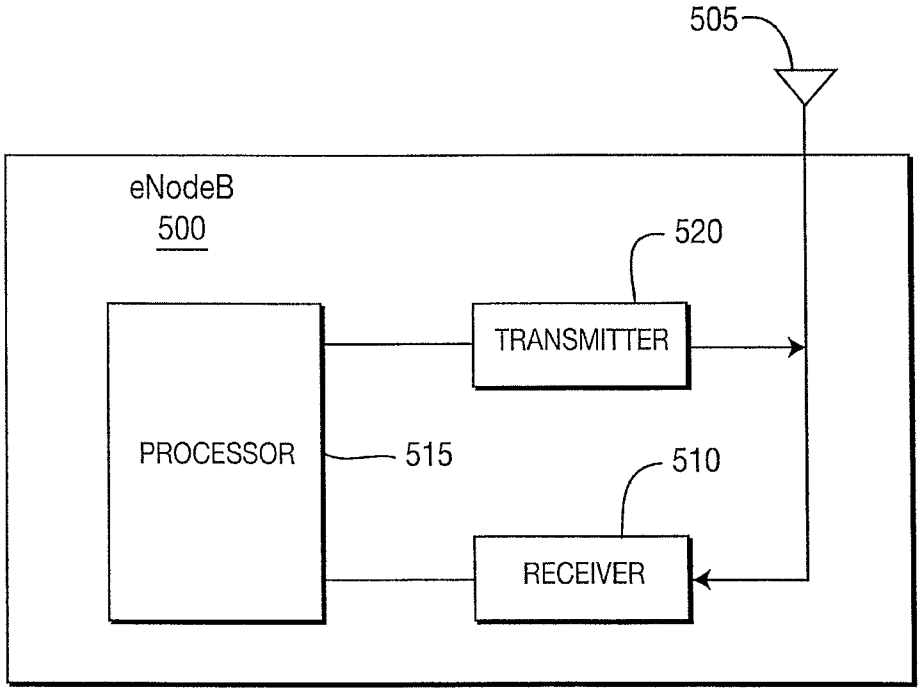

505
eNodeB
500
520
TRANSMITTER
PROCESSOR
515
510
RECEIVER

FIG. 5