FIG.1

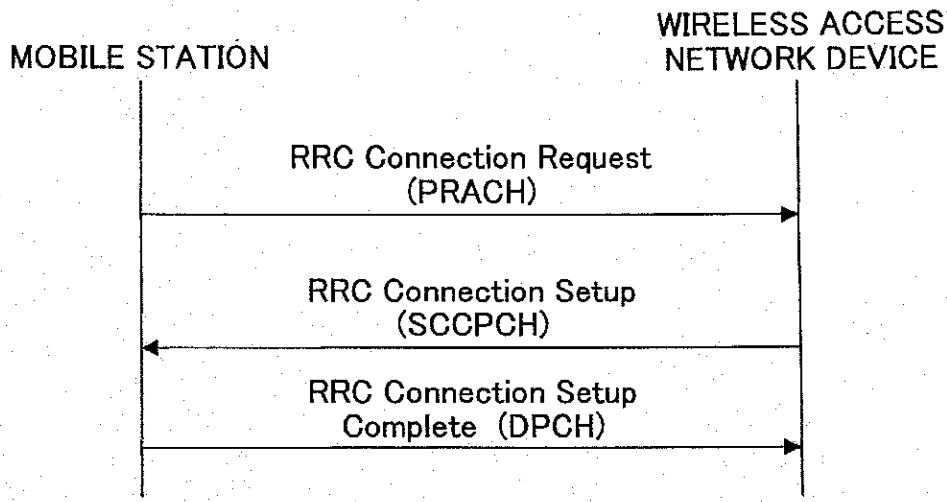

MOBILE STATION
WIRELESS ACCESS NETWORK DEVICE
RRC Connection Request (PRACH)
RRC Connection Setup (SCCPCH)
RRC Connection Setup Complete (DPCH)

FIG.2

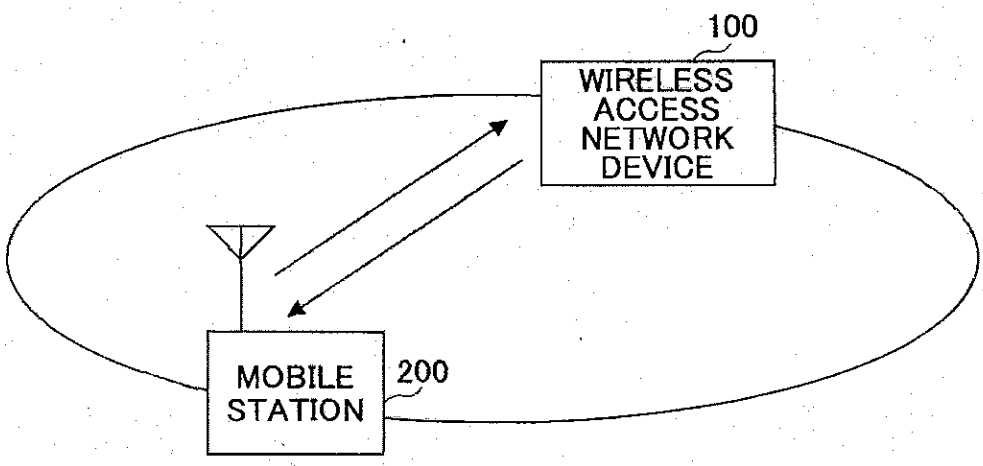

100
WIRELESS ACCESS NETWORK DEVICE
MOBILE STATION
200

FIG.3

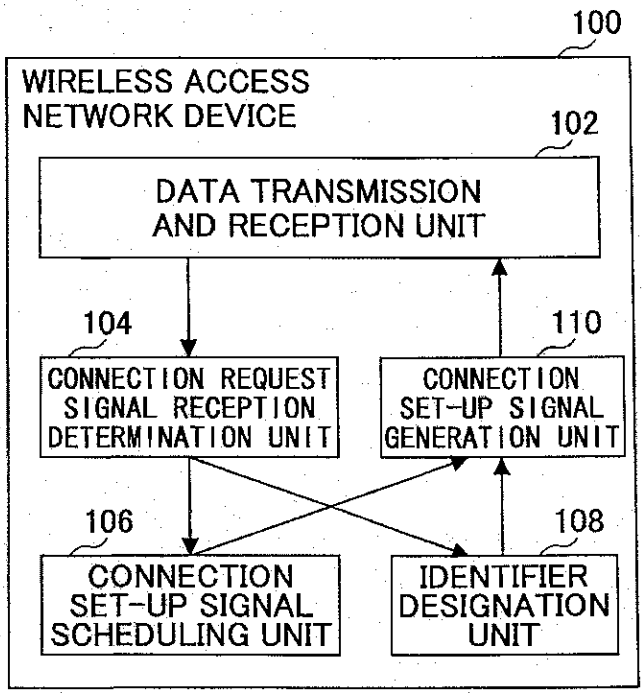

100
WIRELESS ACCESS NETWORK DEVICE
102
DATA TRANSMISSION AND RECEPTION UNIT
104
CONNECTION REQUEST SIGNAL RECEPTION DETERMINATION UNIT
110
CONNECTION SET-UP SIGNAL GENERATION UNIT
106
CONNECTION SET-UP SIGNAL SCHEDULING UNIT
108
IDENTIFIER DESIGNATION UNIT

FIG.4

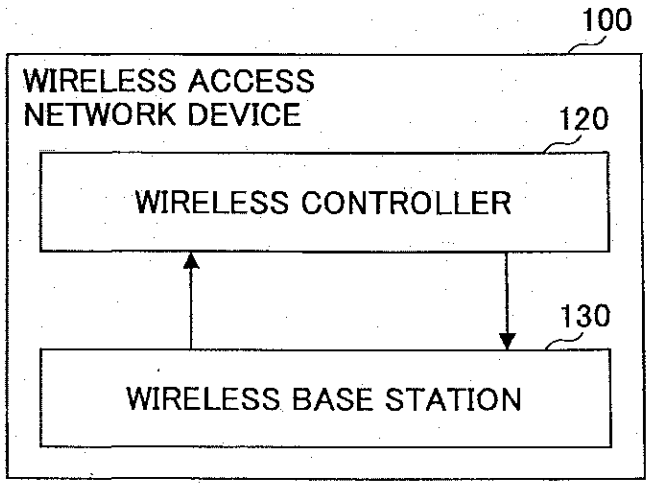

100
WIRELESS ACCESS NETWORK DEVICE
120
WIRELESS CONTROLLER
130
WIRELESS BASE STATION

FIG.5

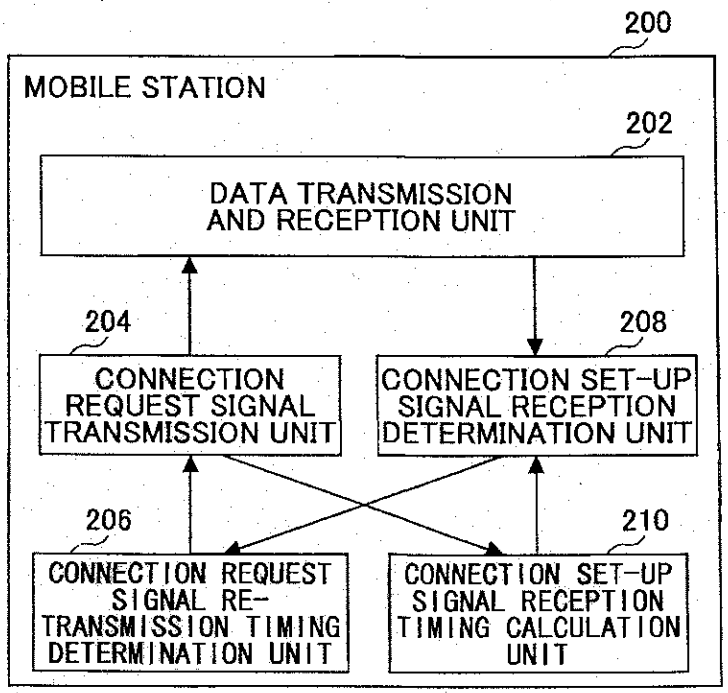

200
MOBILE STATION
202
DATA TRANSMISSION AND RECEPTION UNIT
204
CONNECTION REQUEST SIGNAL TRANSMISSION UNIT
208
CONNECTION SET-UP SIGNAL RECEPTION DETERMINATION UNIT
206
CONNECTION REQUEST SIGNAL RE-TRANSMISSION TIMING DETERMINATION UNIT
210
CONNECTION SET-UP SIGNAL RECEPTION TIMING CALCULATION UNIT

FIG.6

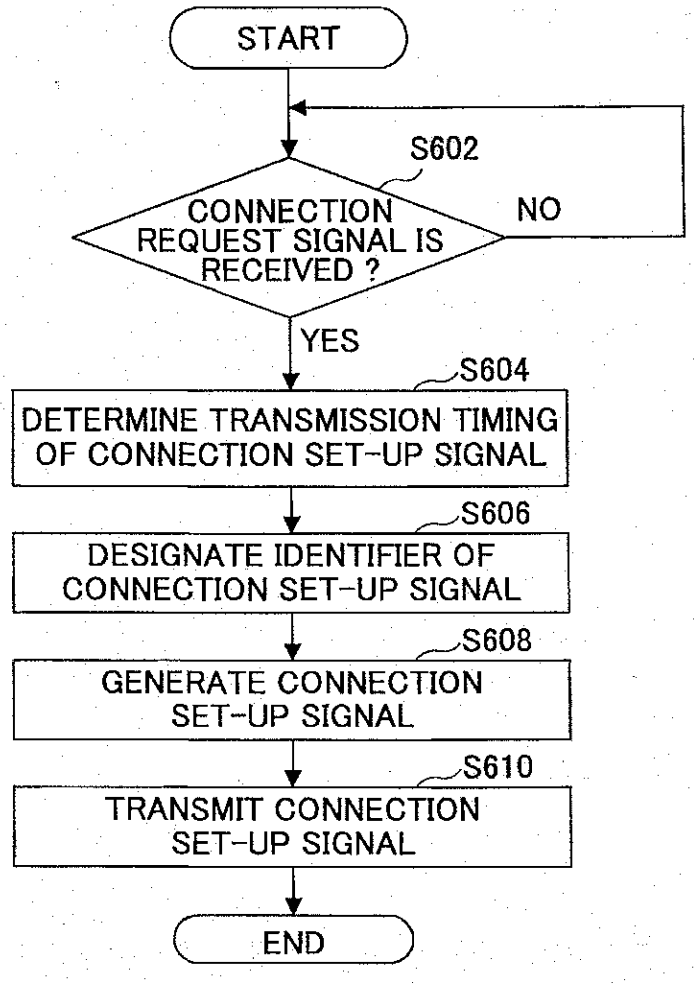

START
S602
CONNECTION REQUEST SIGNAL IS RECEIVED ?
NO
YES
S604
DETERMINE TRANSMISSION TIMING OF CONNECTION SET-UP SIGNAL
S606
DESIGNATE IDENTIFIER OF CONNECTION SET-UP SIGNAL
S608
GENERATE CONNECTION SET-UP SIGNAL
S610
TRANSMIT CONNECTION SET-UP SIGNAL
END

FIG.7

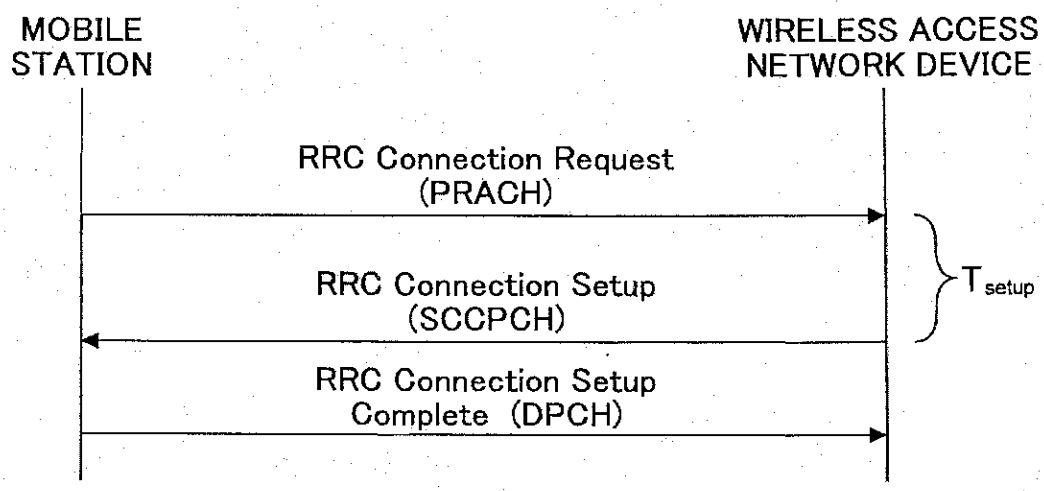
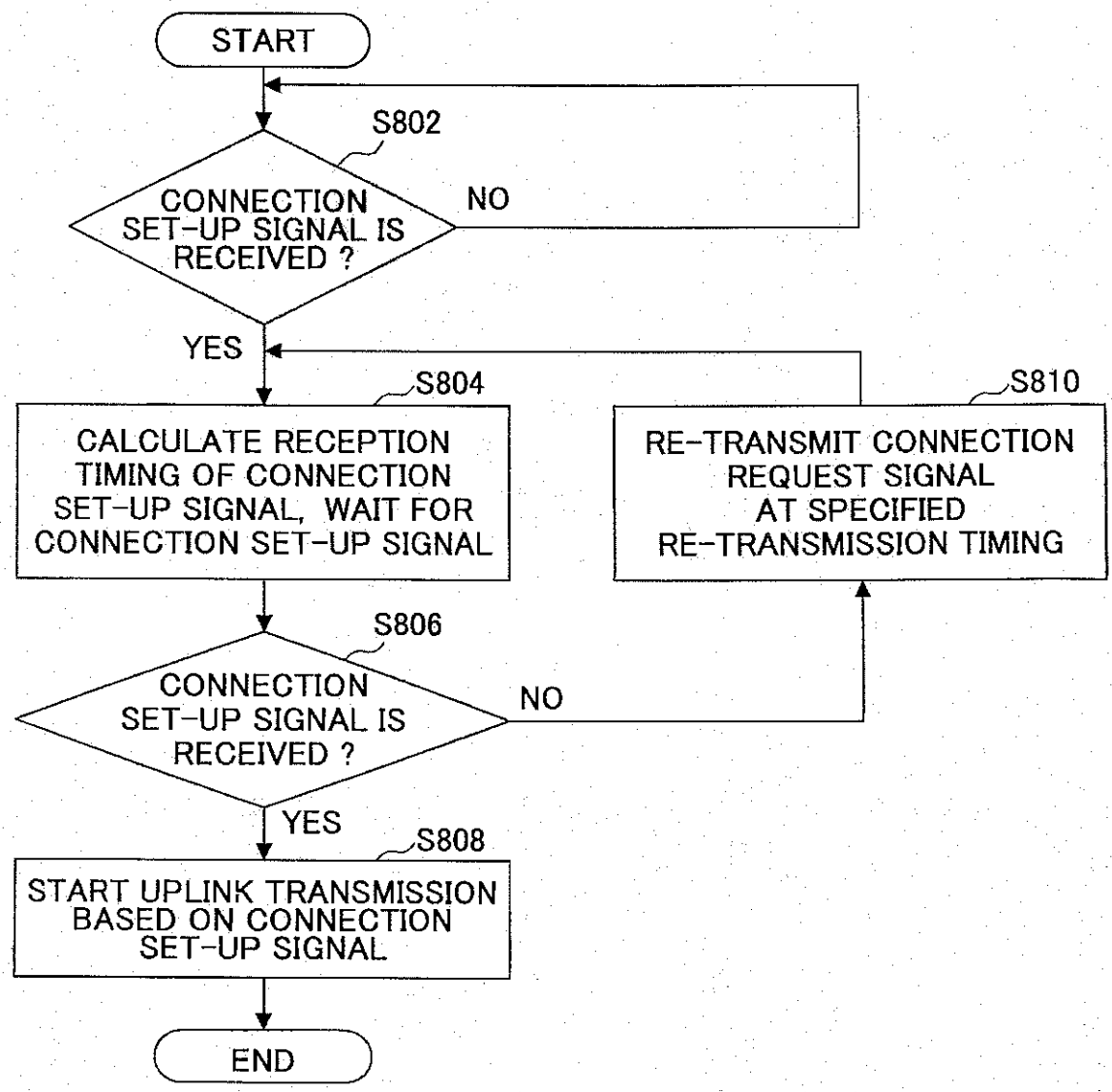

MOBILE STATION
WIRELESS ACCESS NETWORK DEVICE
RRC Connection Request (PRACH)
RRC Connection Setup (SCCPCH)
RRC Connection Setup Complete (DPCH)
T setup

FIG.8


START
S802
CONNECTION SET-UP SIGNAL IS RECEIVED ?
NO
YES
S804
CALCULATE RECEPTION TIMING OF CONNECTION SET-UP SIGNAL, WAIT FOR CONNECTION SET-UP SIGNAL
S810
RE-TRANSMIT CONNECTION REQUEST SIGNAL AT SPECIFIED RE-TRANSMISSION TIMING
S806
CONNECTION SET-UP SIGNAL IS RECEIVED ?
NO
YES
S808
START UPLINK TRANSMISSION BASED ON CONNECTION SET-UP SIGNAL
END