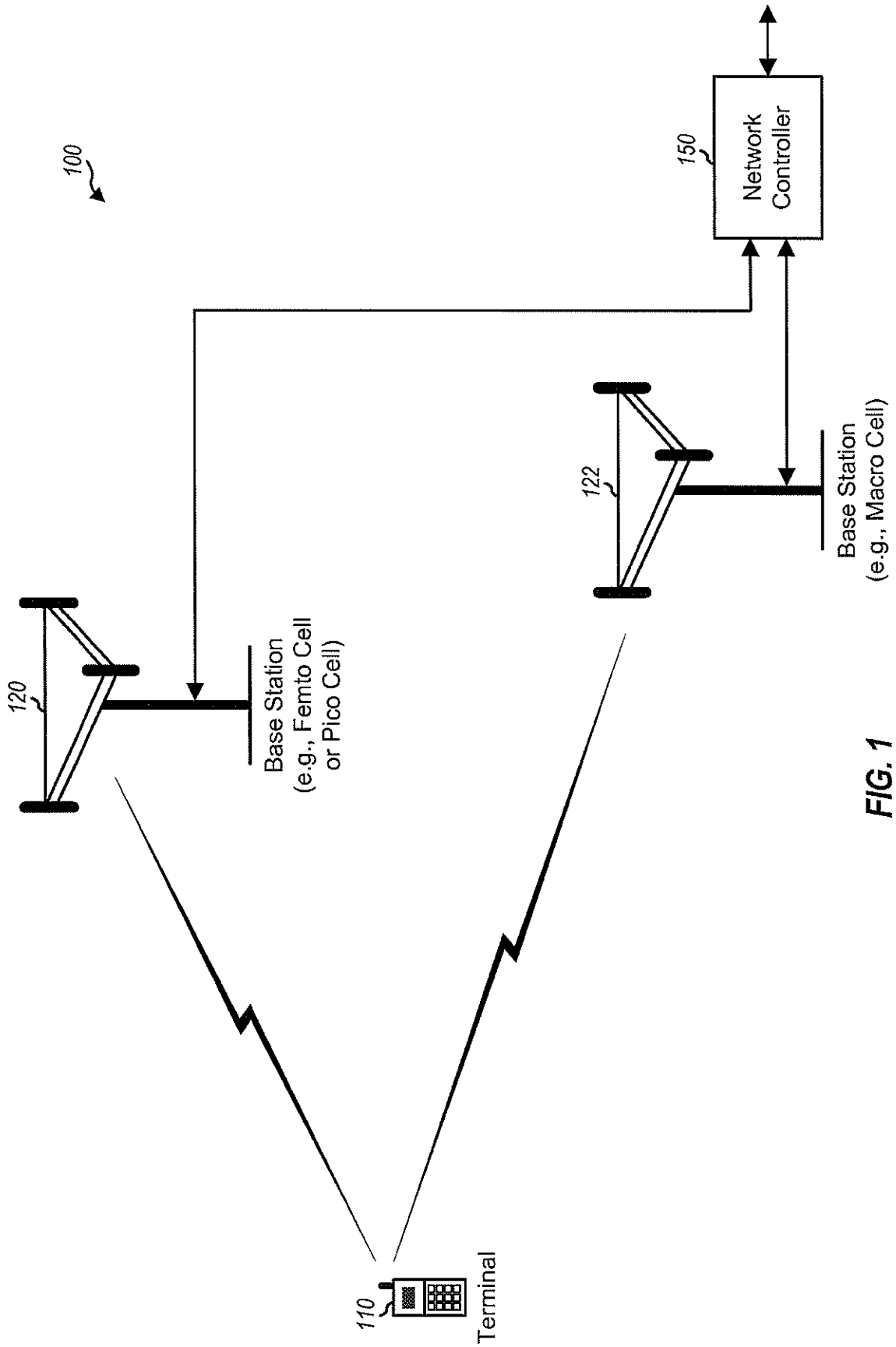

100
150
Network Controller
122
Base Station
(e.g., Macro Cell)
120
Base Station
(e.g., Femto Cell
or Pico Cell)
110
Terminal

FIG. 1

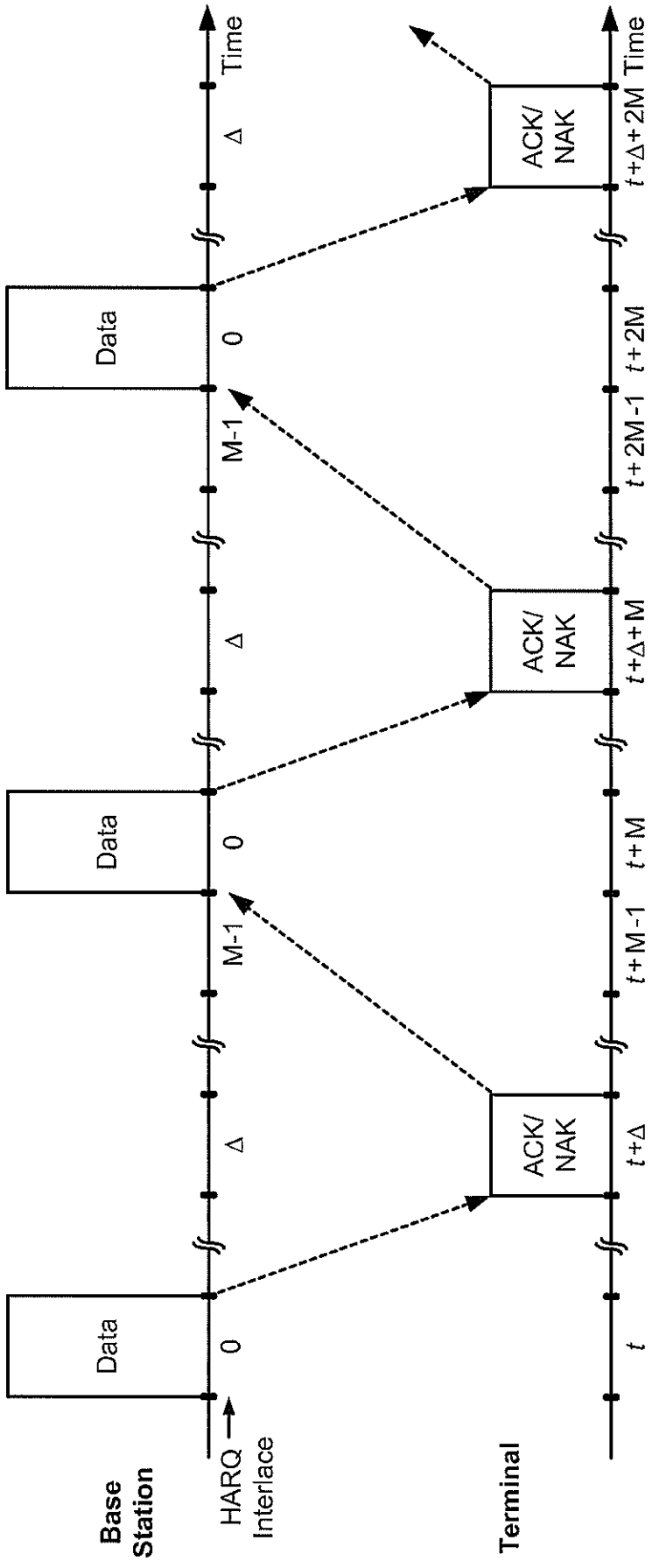

Base Station
Terminal
HARQ Interlace
Time
Frame
Data
ACK/ NAK
0
M-1
Δ
t
t+Δ
t+M-1
t+M
t+Δ+M
t+2M-1
t+2M
t+Δ+2M

FIG. 2

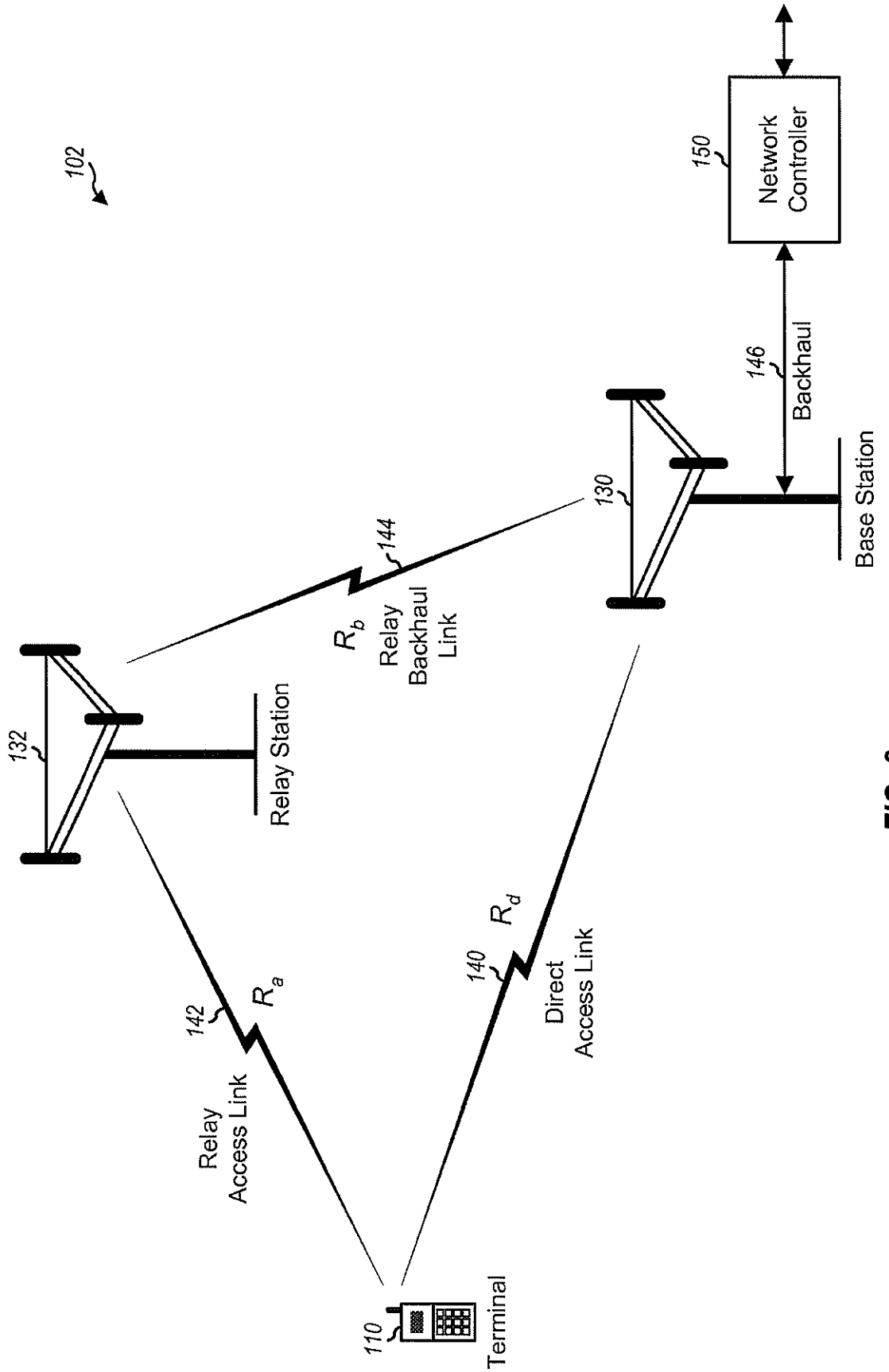

102
150
Network Controller
146
Backhaul
130
Base Station
144
R_b
Relay Backhaul Link
132
Relay Station
142
R_a
Relay Access Link
140
R_d
Direct Access Link
110
Terminal

FIG. 3

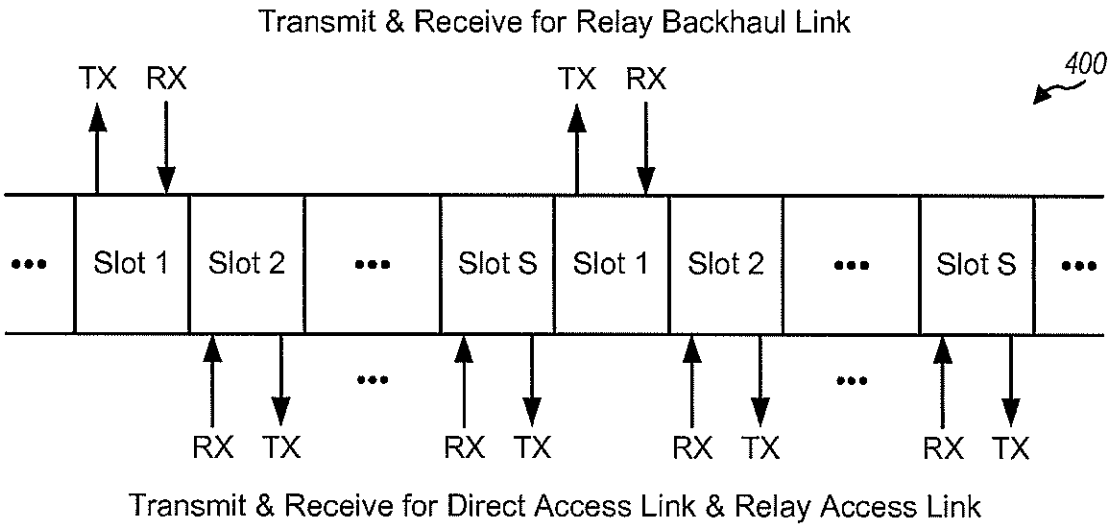


FIG. 4

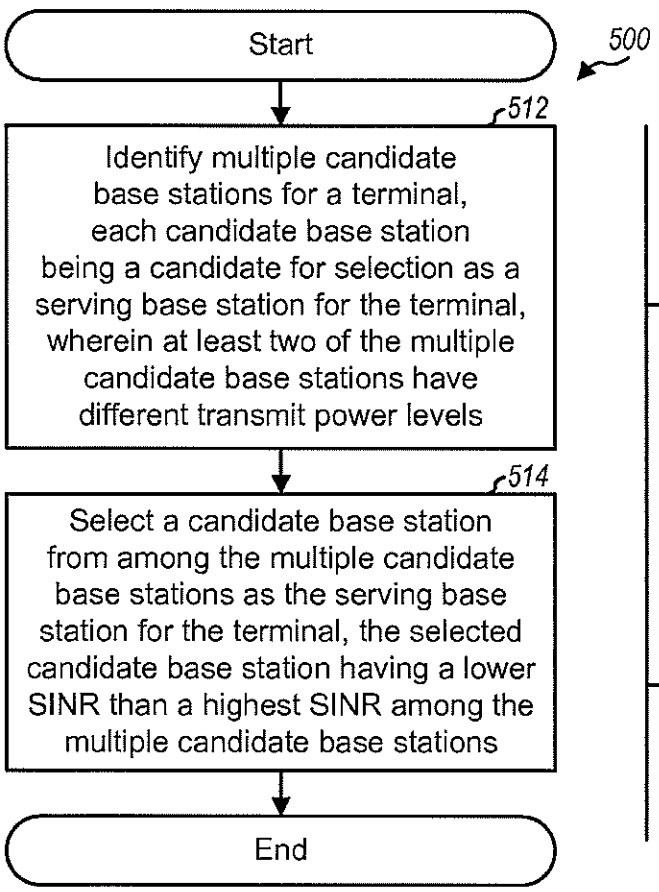


FIG. 5

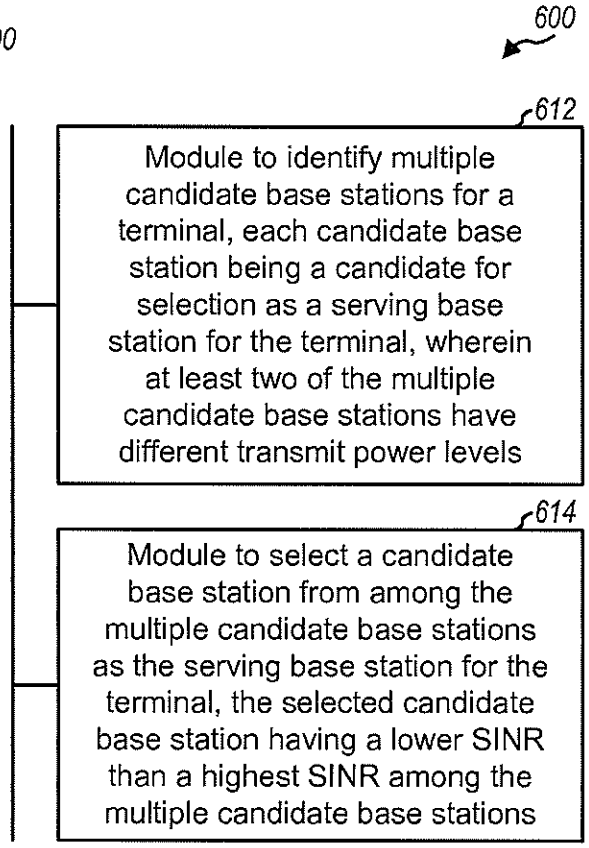


FIG. 6

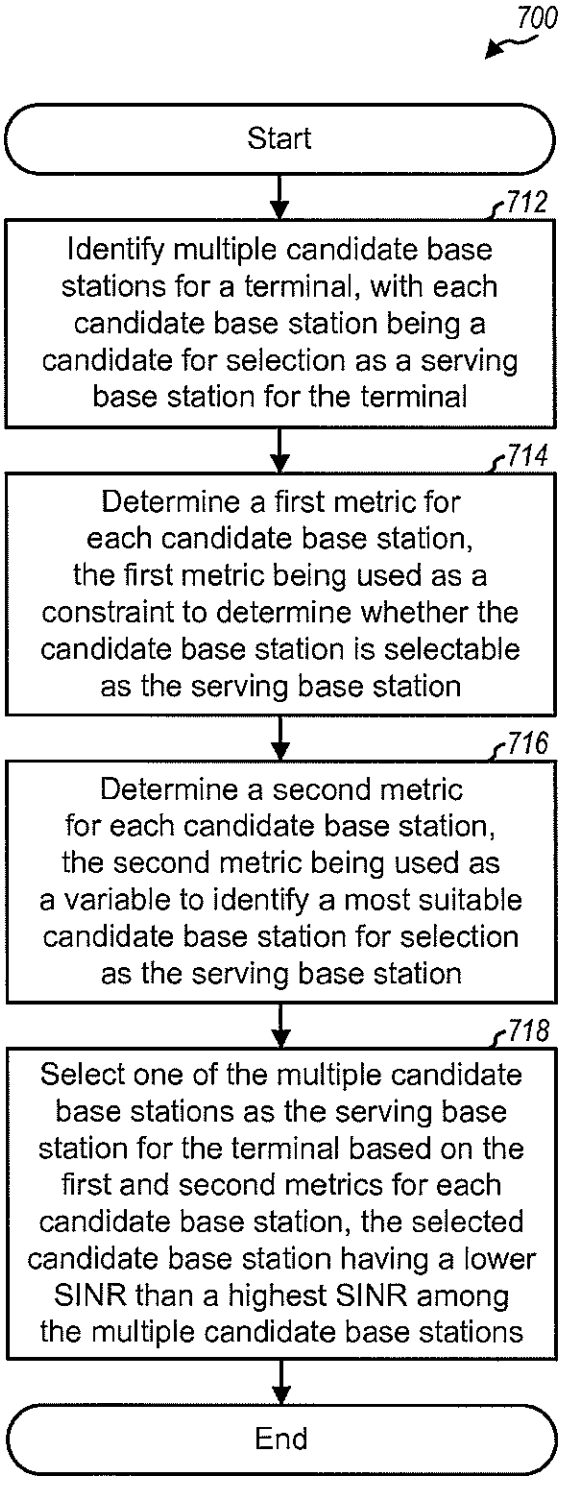

700
Start
712
Identify multiple candidate base stations for a terminal, with each candidate base station being a candidate for selection as a serving base station for the terminal
714
Determine a first metric for each candidate base station, the first metric being used as a constraint to determine whether the candidate base station is selectable as the serving base station
716
Determine a second metric for each candidate base station, the second metric being used as a variable to identify a most suitable candidate base station for selection as the serving base station
718
Select one of the multiple candidate base stations as the serving base station for the terminal based on the first and second metrics for each candidate base station, the selected candidate base station having a lower SINR than a highest SINR among the multiple candidate base stations
End

FIG. 7

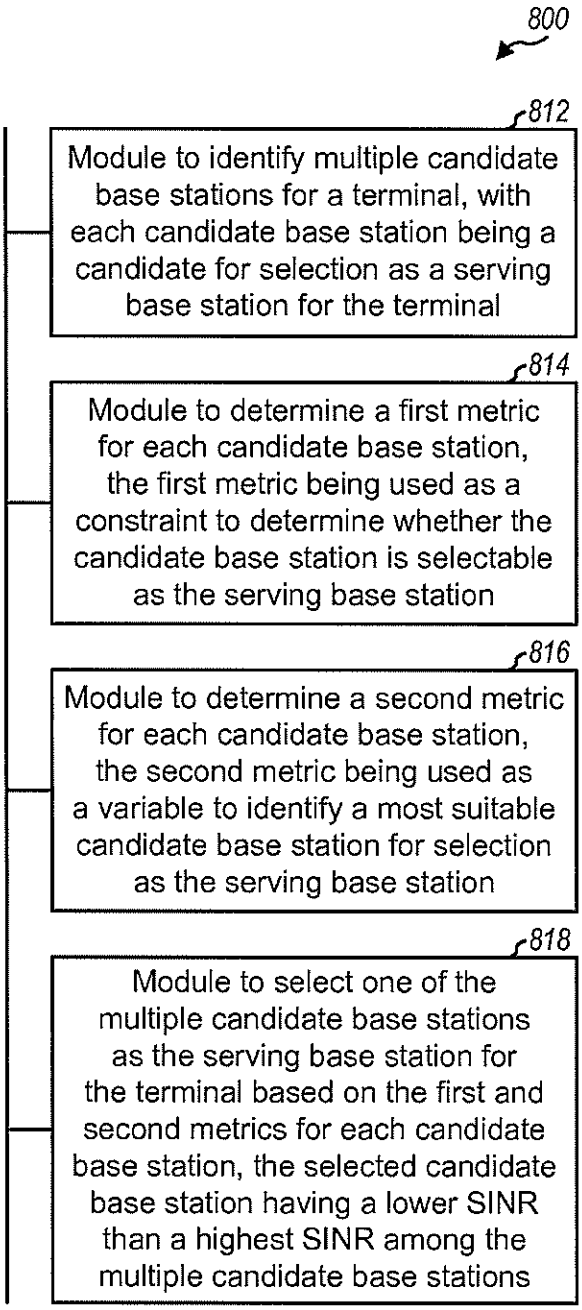

800
812
Module to identify multiple candidate base stations for a terminal, with each candidate base station being a candidate for selection as a serving base station for the terminal
814
Module to determine a first metric for each candidate base station, the first metric being used as a constraint to determine whether the candidate base station is selectable as the serving base station
816
Module to determine a second metric for each candidate base station, the second metric being used as a variable to identify a most suitable candidate base station for selection as the serving base station
818
Module to select one of the multiple candidate base stations as the serving base station for the terminal based on the first and second metrics for each candidate base station, the selected candidate base station having a lower SINR than a highest SINR among the multiple candidate base stations

FIG. 8

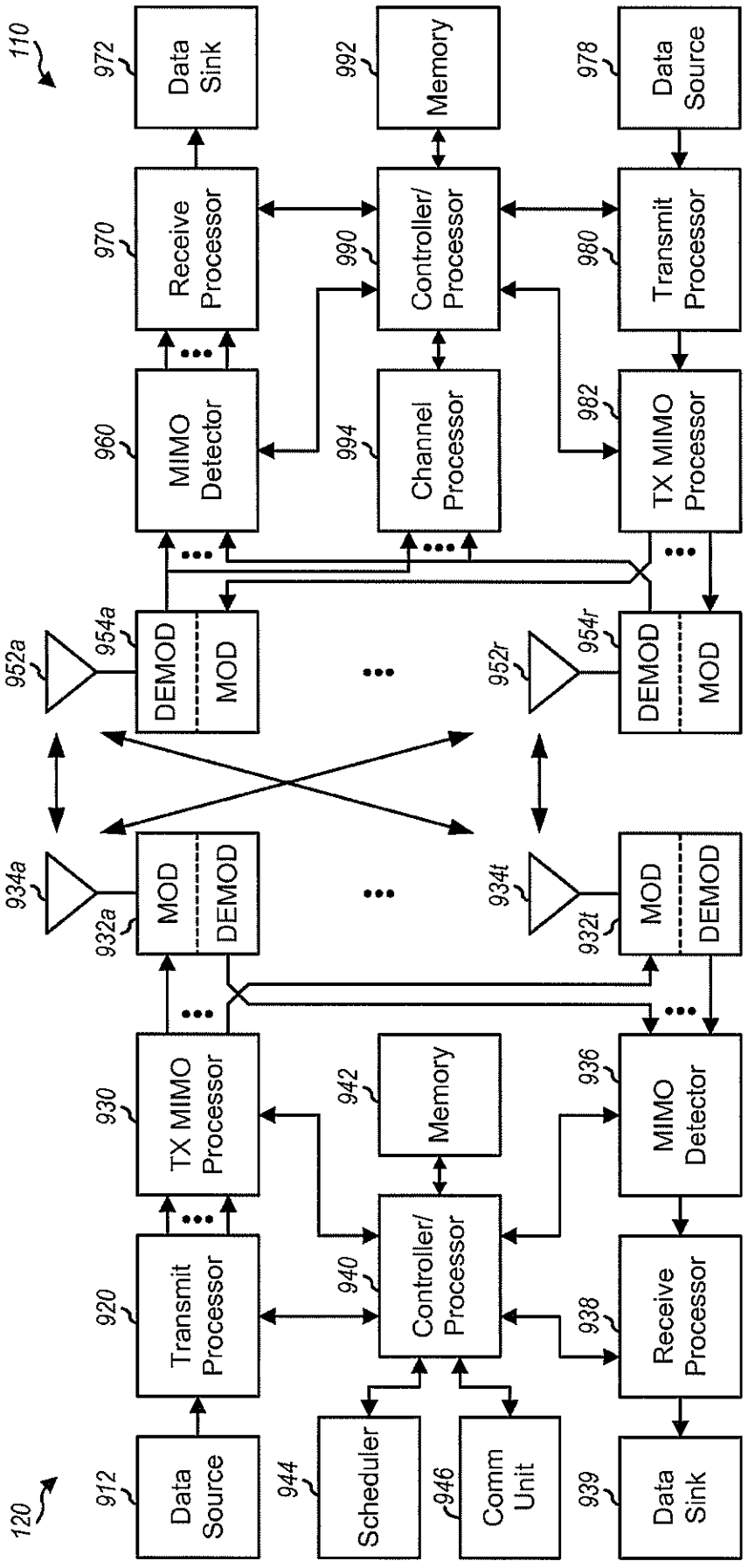

110
120
Data Source
912
Transmit Processor
920
TX MIMO Processor
930
MOD
DEMOD
932a
934a
DEMOD
MOD
954a
952a
Data Sink
972
Receive Processor
970
MIMO Detector
960
Controller/ Processor
940
Memory
942
Scheduler
944
Comm Unit
946
Memory
992
Controller/ Processor
990
Channel Processor
994
Data Source
978
Transmit Processor
980
TX MIMO Processor
982
MOD
DEMOD
932t
934t
DEMOD
MOD
954r
952r
MIMO Detector
936
Receive Processor
938
Data Sink
939

FIG. 9