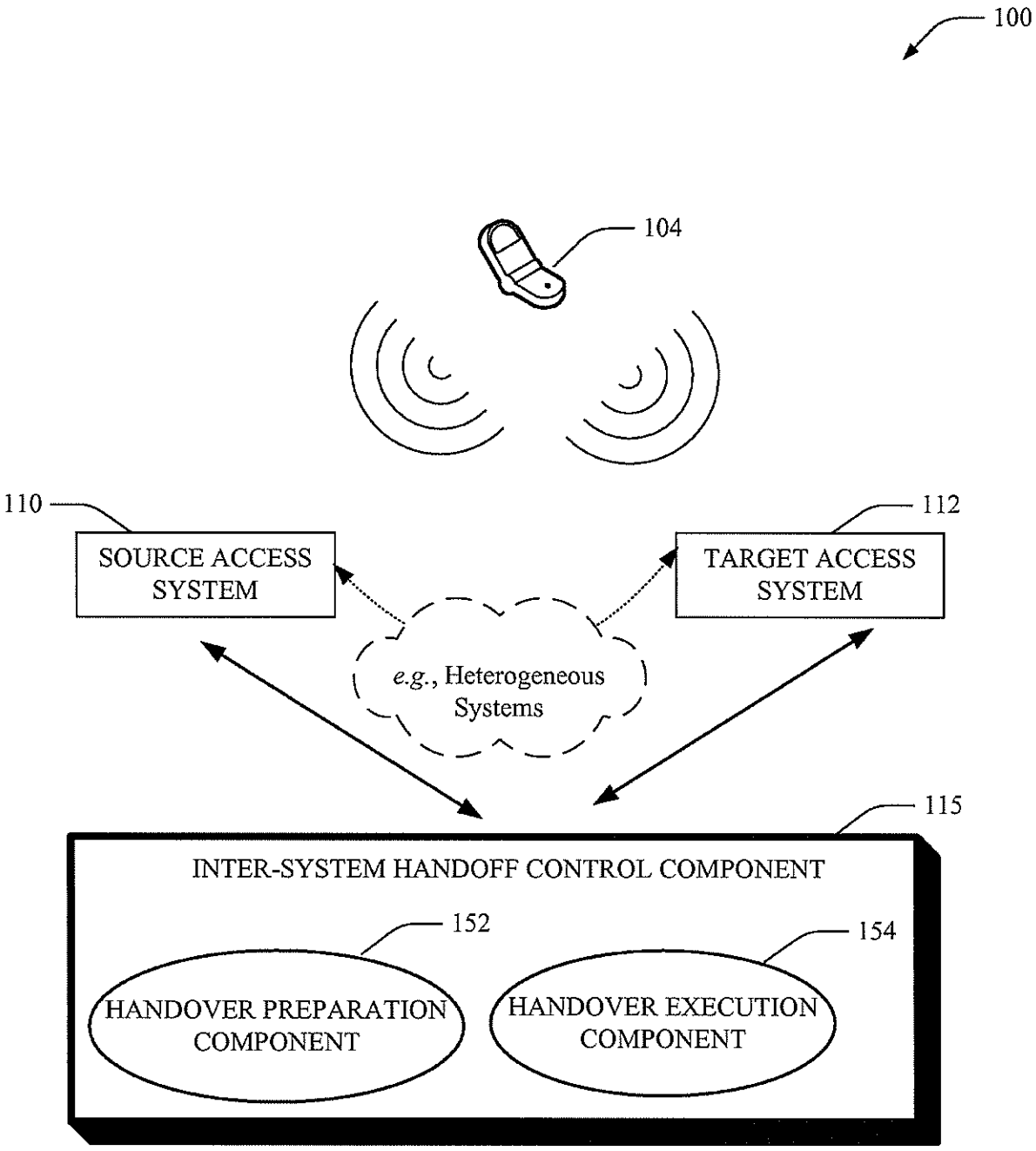

100
104
110
SOURCE ACCESS SYSTEM
112
TARGET ACCESS SYSTEM
e.g., Heterogeneous Systems
115
INTER-SYSTEM HANDOFF CONTROL COMPONENT
152
HANDOVER PREPARATION COMPONENT
154
HANDOVER EXECUTION COMPONENT

FIG. 1

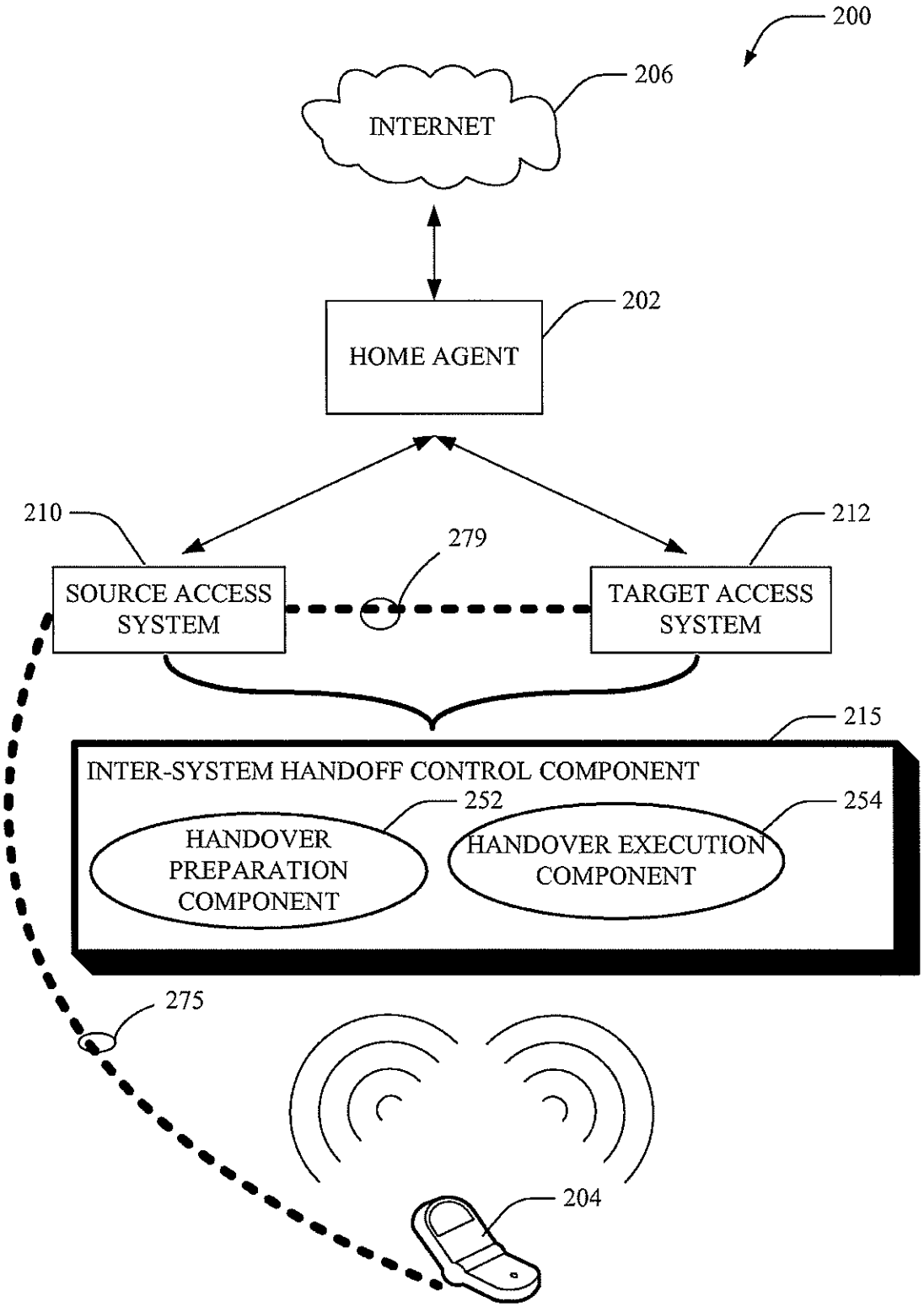

200
206
INTERNET
202
HOME AGENT
210
212
279
SOURCE ACCESS SYSTEM
TARGET ACCESS SYSTEM
215
INTER-SYSTEM HANDOFF CONTROL COMPONENT
252
254
HANDOVER PREPARATION COMPONENT
HANDOVER EXECUTION COMPONENT
275
204

FIG. 2

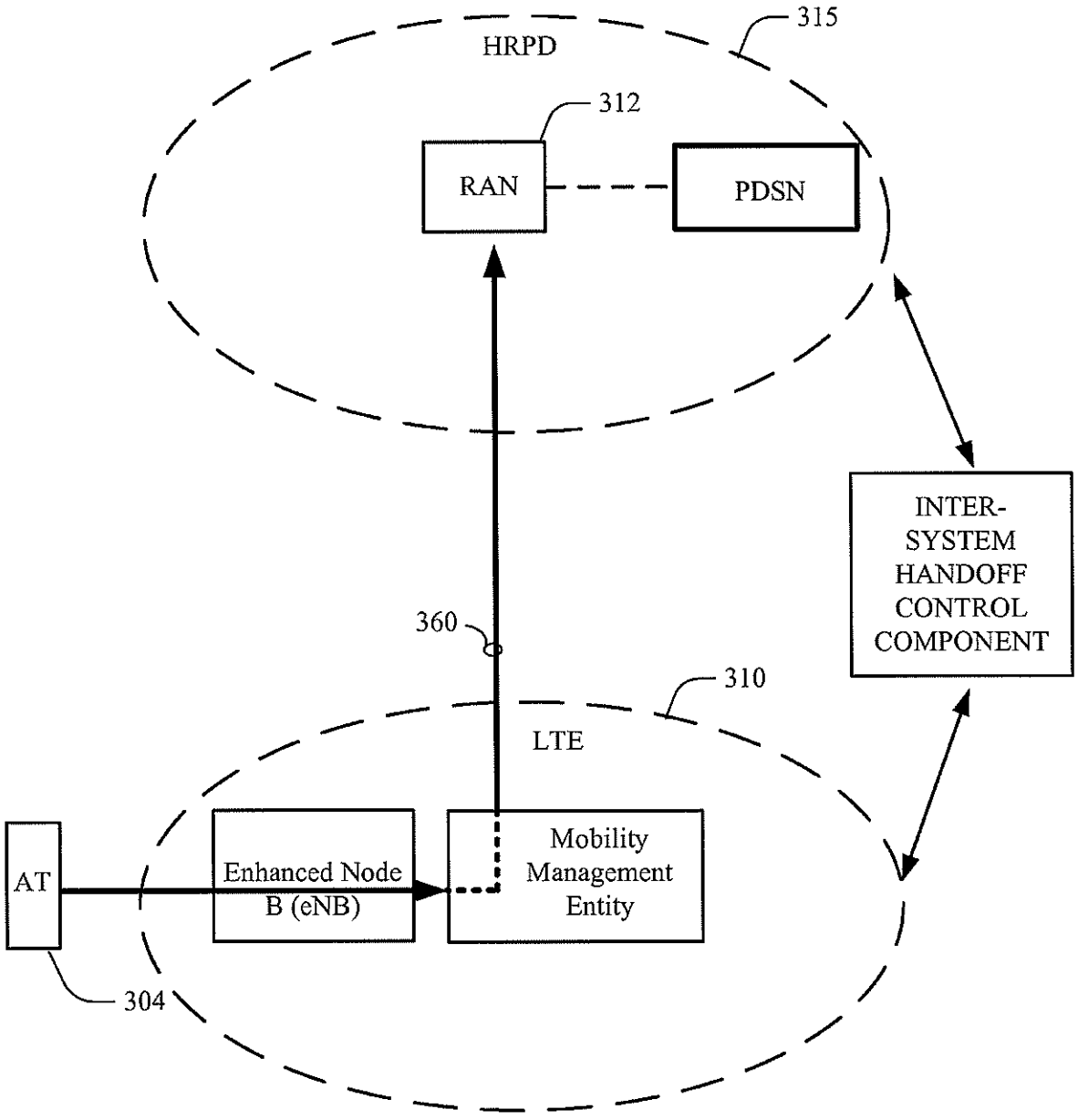

315
HRPD
312
RAN
PDSN
INTER-
SYSTEM
HANDOFF
CONTROL
COMPONENT
360
310
LTE
AT
Enhanced Node
B (eNB)
Mobility
Management
Entity
304

FIG. 3

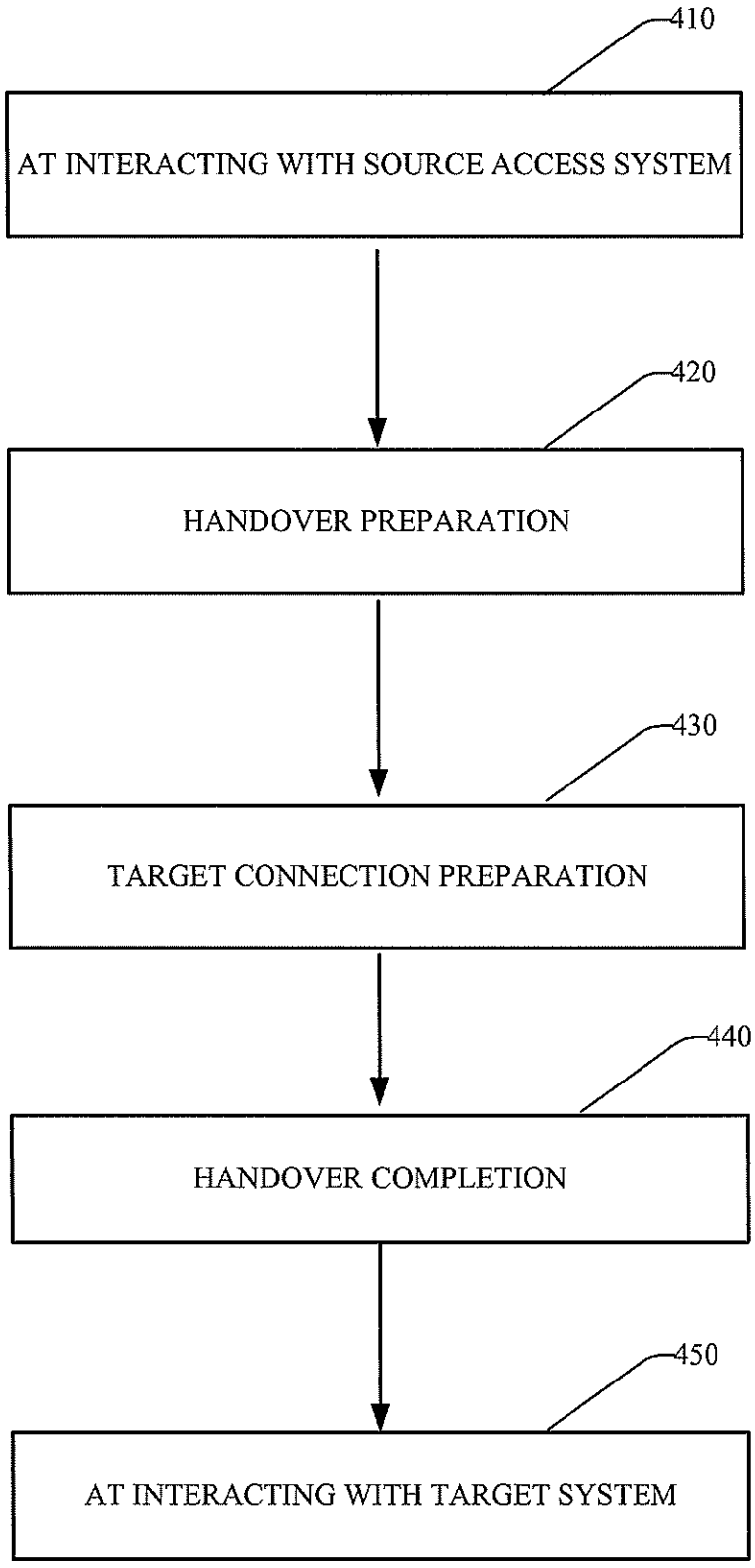

410
AT INTERACTING WITH SOURCE ACCESS SYSTEM
420
HANDOVER PREPARATION
430
TARGET CONNECTION PREPARATION
440
HANDOVER COMPLETION
450
AT INTERACTING WITH TARGET SYSTEM

FIG. 4

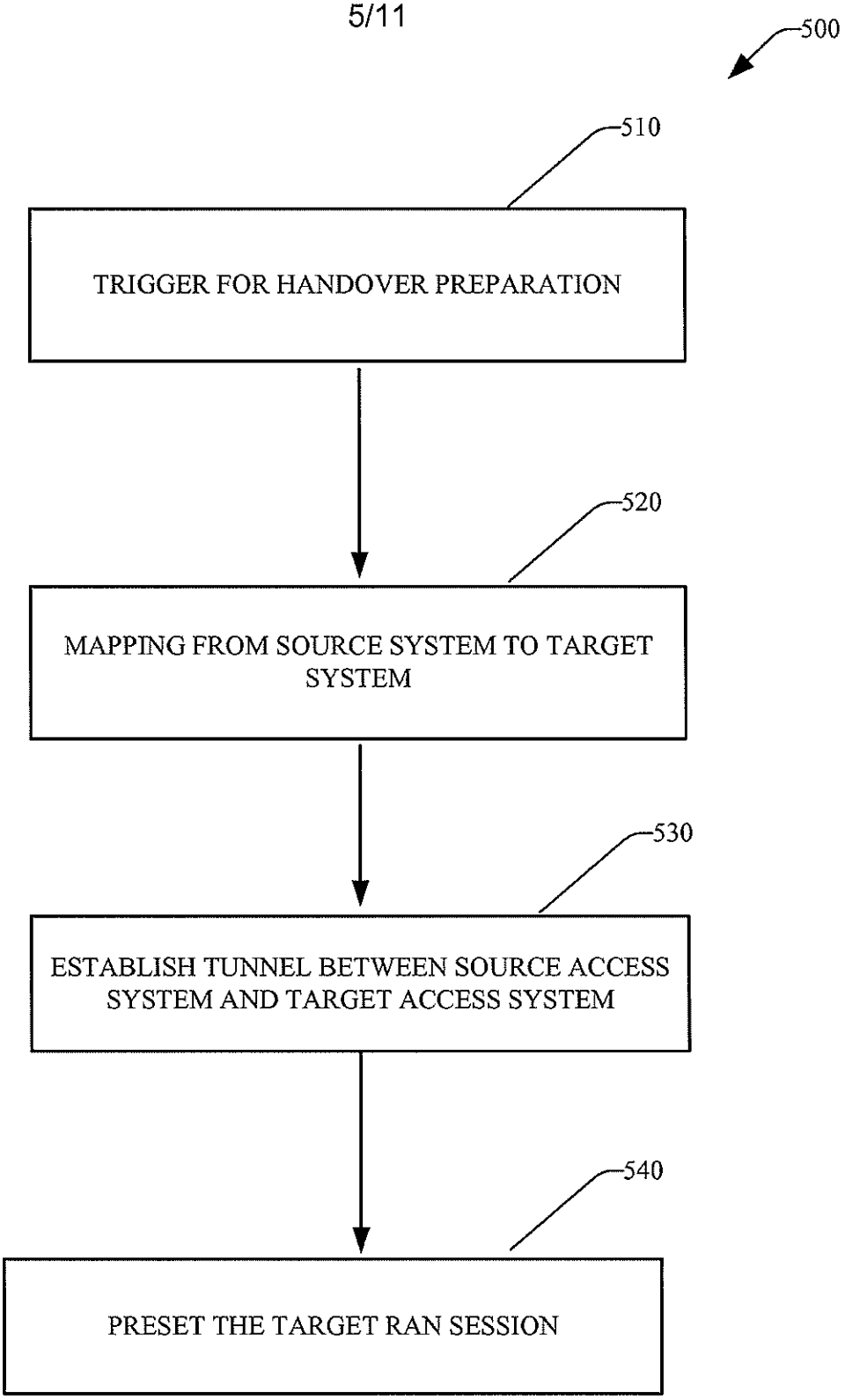

500
510
TRIGGER FOR HANDOVER PREPARATION
520
MAPPING FROM SOURCE SYSTEM TO TARGET SYSTEM
530
ESTABLISH TUNNEL BETWEEN SOURCE ACCESS SYSTEM AND TARGET ACCESS SYSTEM
540
PRESET THE TARGET RAN SESSION

FIG. 5

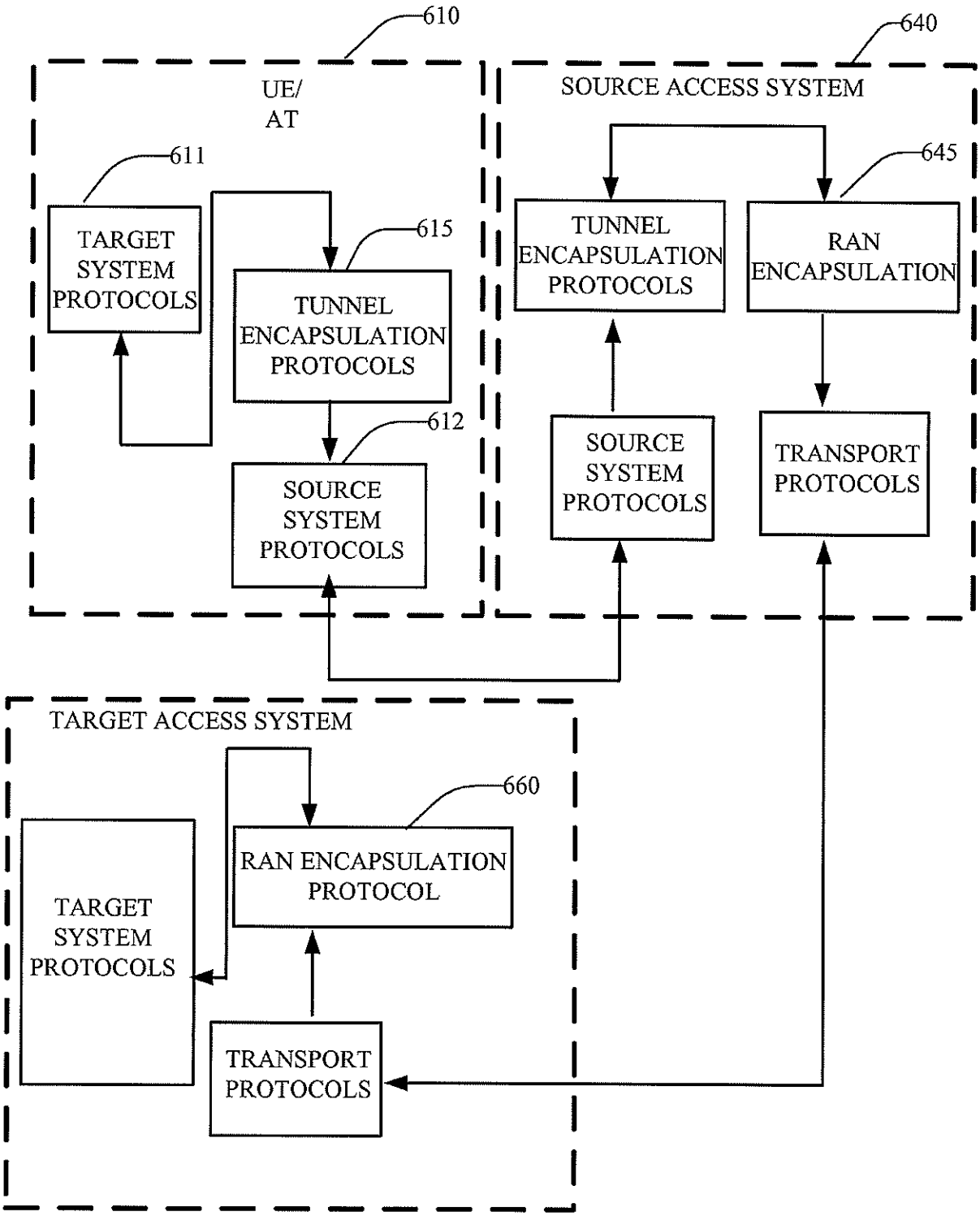

610
UE/
AT
611
TARGET
SYSTEM
PROTOCOLS
615
TUNNEL
ENCAPSULATION
PROTOCOLS
612
SOURCE
SYSTEM
PROTOCOLS
640
SOURCE ACCESS SYSTEM
645
TUNNEL
ENCAPSULATION
PROTOCOLS
RAN
ENCAPSULATION
SOURCE
SYSTEM
PROTOCOLS
TRANSPORT
PROTOCOLS
TARGET ACCESS SYSTEM
660
RAN ENCAPSULATION
PROTOCOL
TARGET
SYSTEM
PROTOCOLS
TRANSPORT
PROTOCOLS

FIG. 6

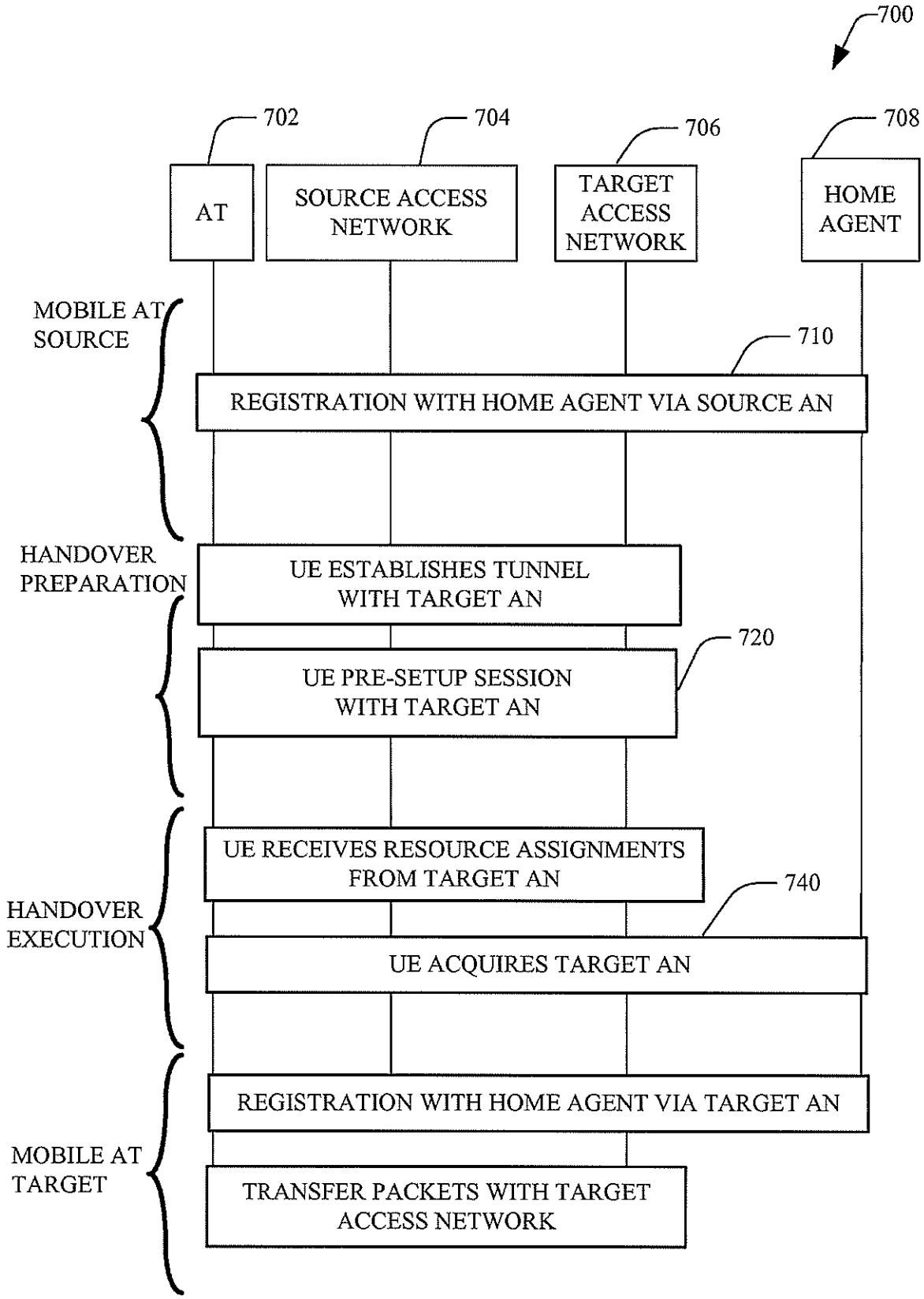

700
702
704
706
708
AT
SOURCE ACCESS NETWORK
TARGET ACCESS NETWORK
HOME AGENT
MOBILE AT SOURCE
710
REGISTRATION WITH HOME AGENT VIA SOURCE AN
HANDOVER PREPARATION
UE ESTABLISHES TUNNEL WITH TARGET AN
720
UE PRE-SETUP SESSION WITH TARGET AN
UE RECEIVES RESOURCE ASSIGNMENTS FROM TARGET AN
HANDOVER EXECUTION
740
UE ACQUIRES TARGET AN
REGISTRATION WITH HOME AGENT VIA TARGET AN
MOBILE AT TARGET
TRANSFER PACKETS WITH TARGET ACCESS NETWORK

FIG. 7

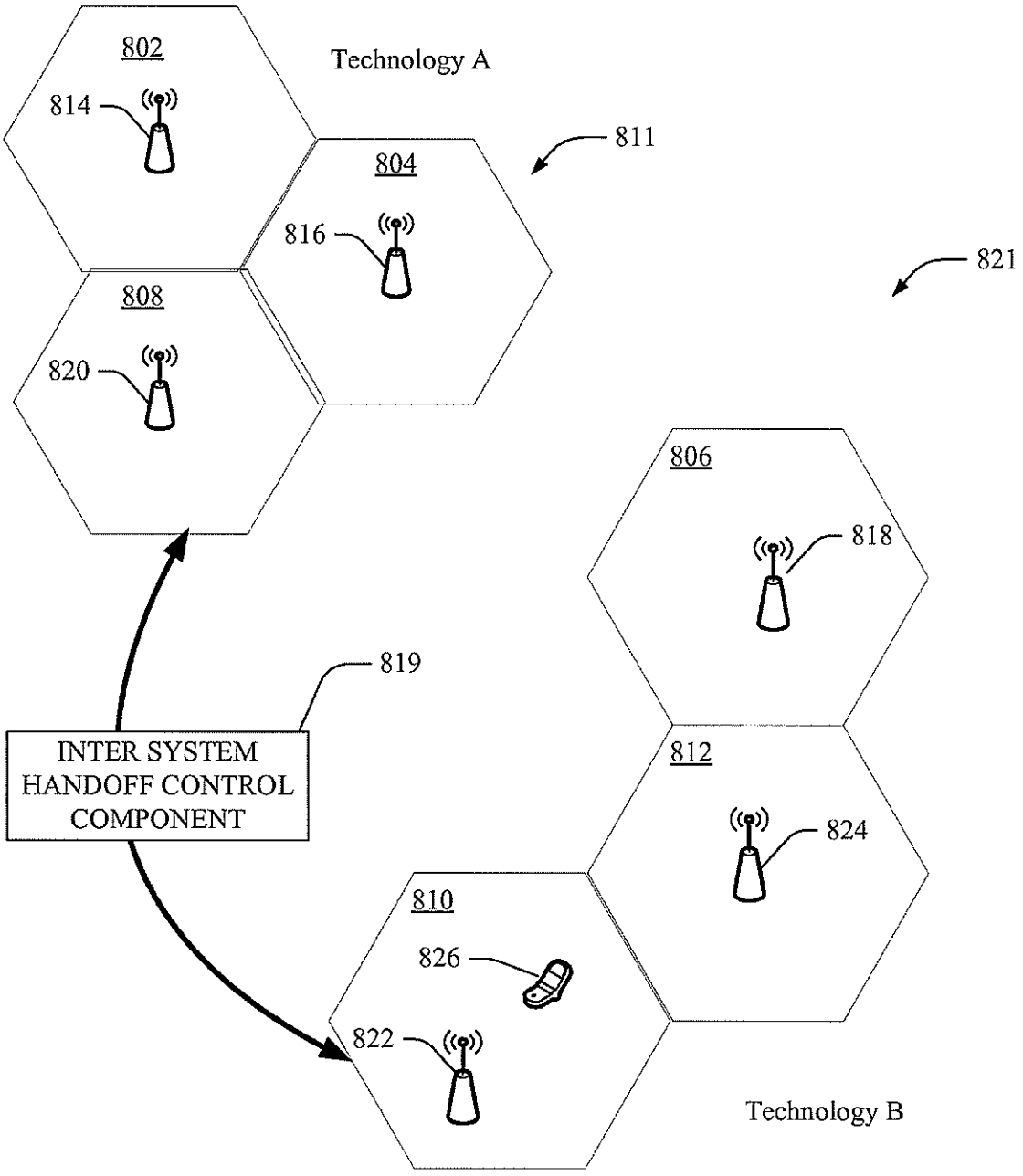

802
Technology A
814
811
804
816
821
808
820
806
818
819
INTER SYSTEM HANDOFF CONTROL COMPONENT
812
824
810
826
822
Technology B

FIG. 8

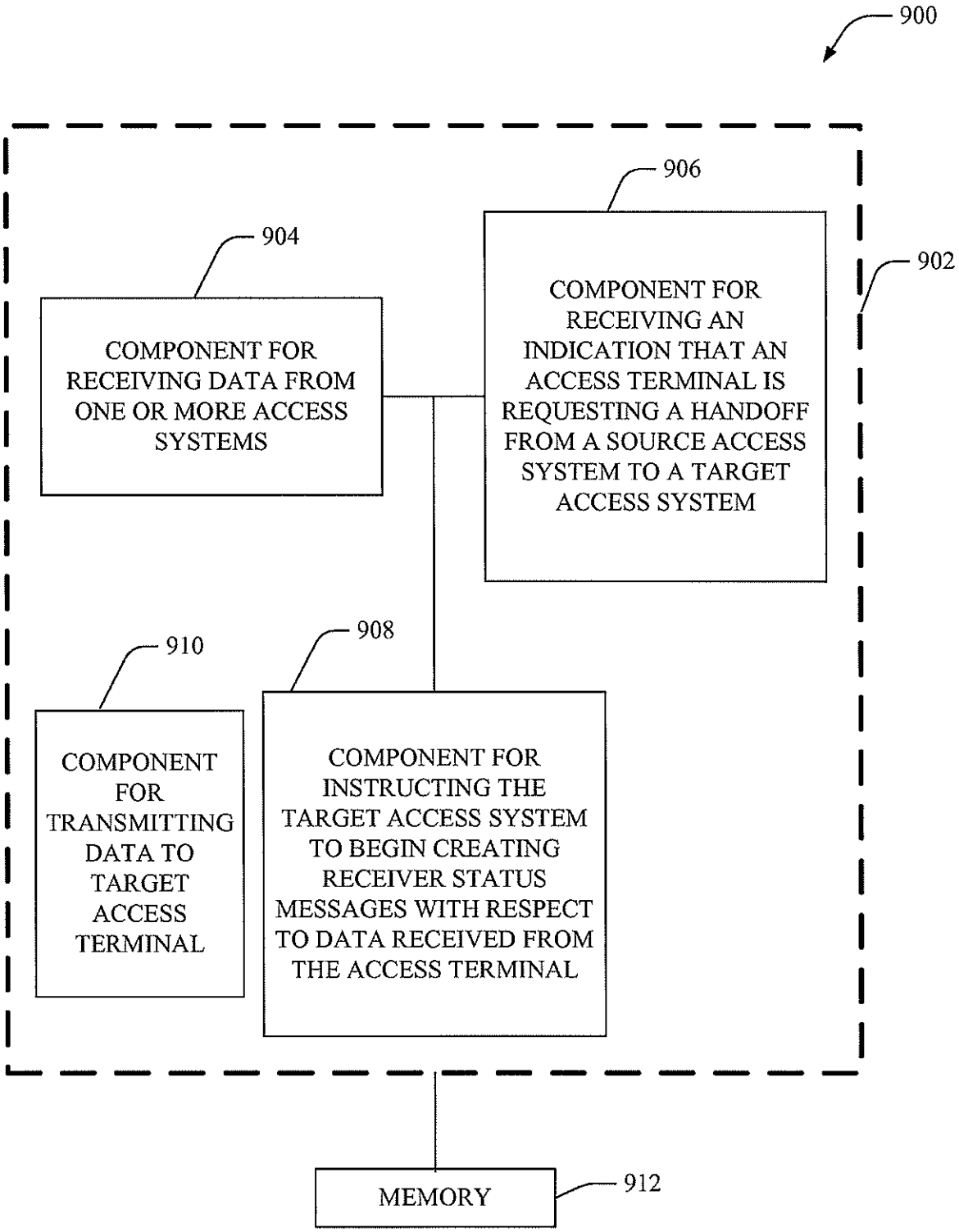

900
902
904
COMPONENT FOR RECEIVING DATA FROM ONE OR MORE ACCESS SYSTEMS
906
COMPONENT FOR RECEIVING AN INDICATION THAT AN ACCESS TERMINAL IS REQUESTING A HANDOFF FROM A SOURCE ACCESS SYSTEM TO A TARGET ACCESS SYSTEM
908
COMPONENT FOR INSTRUCTING THE TARGET ACCESS SYSTEM TO BEGIN CREATING RECEIVER STATUS MESSAGES WITH RESPECT TO DATA RECEIVED FROM THE ACCESS TERMINAL
910
COMPONENT FOR TRANSMITTING DATA TO TARGET ACCESS TERMINAL
MEMORY
912

FIG. 9

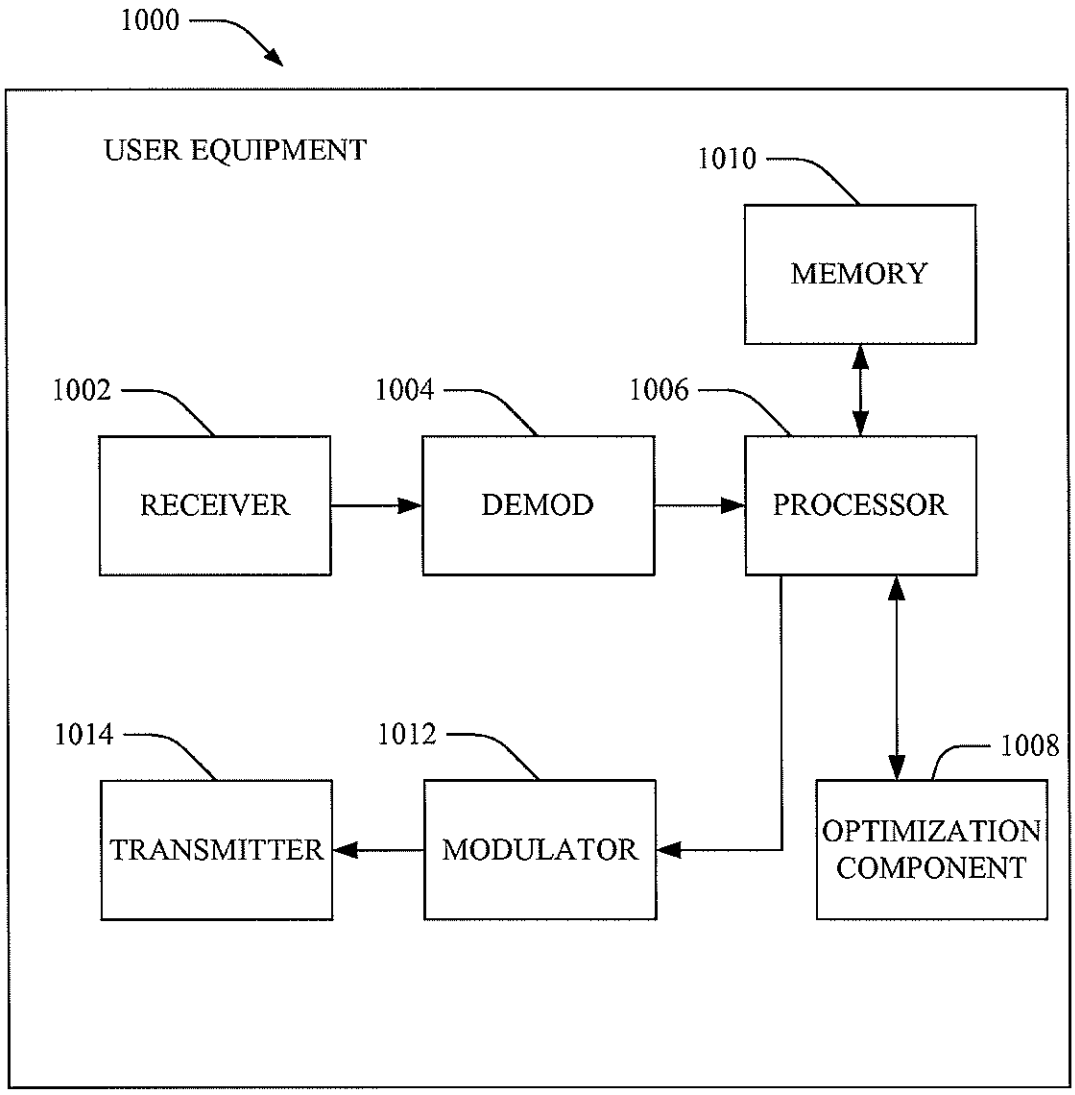

1000
USER EQUIPMENT
1010
MEMORY
1002
1004
1006
RECEIVER
DEMOD
PROCESSOR
1014
1012
1008
TRANSMITTER
MODULATOR
OPTIMIZATION COMPONENT

FIG. 10

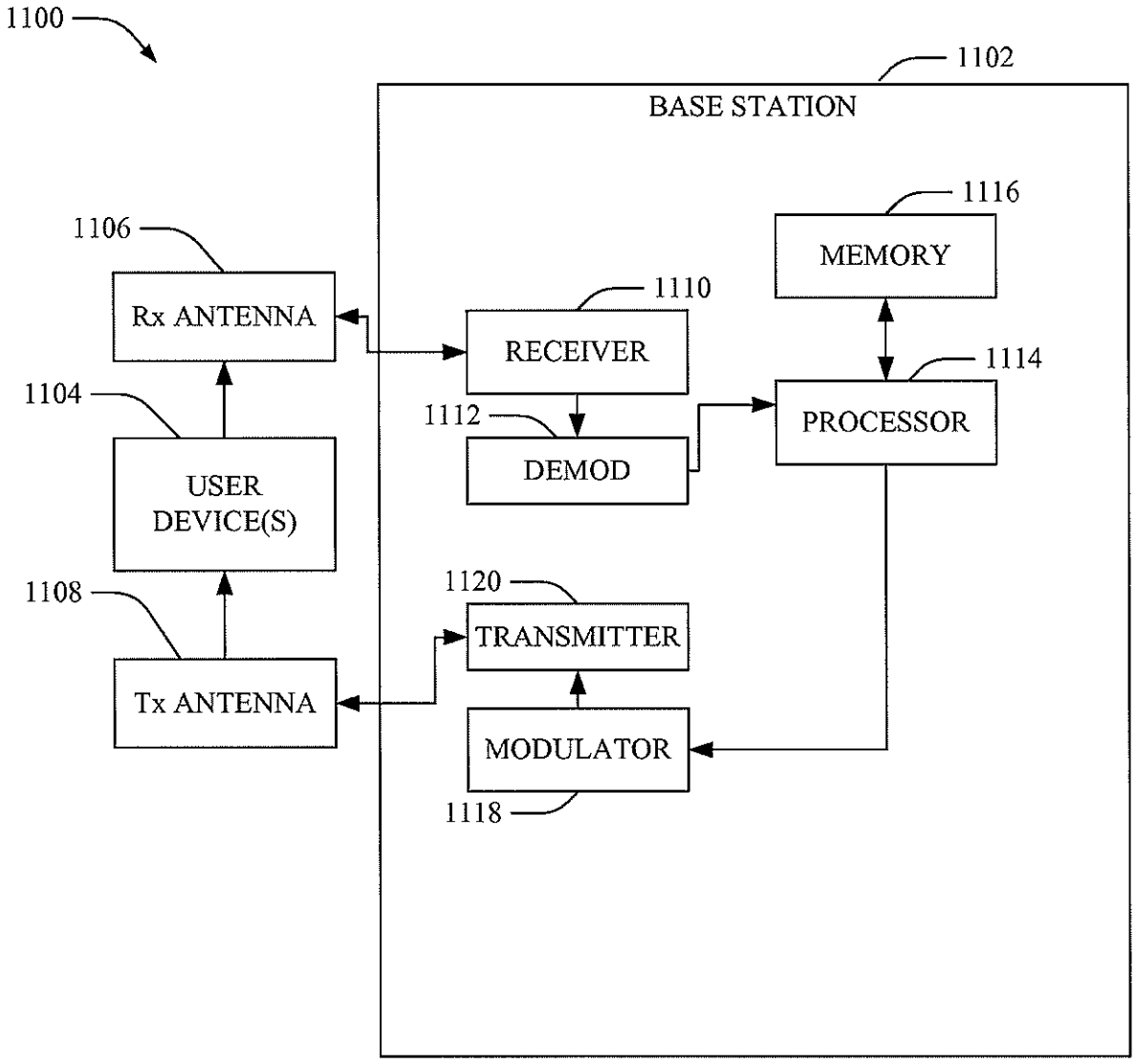

1100
1102
BASE STATION
1116
MEMORY
1106
Rx ANTENNA
1110
RECEIVER
1114
PROCESSOR
1104
1112
DEMOD
USER
DEVICE(S)
1120
1108
TRANSMITTER
Tx ANTENNA
MODULATOR
1118

FIG. 11