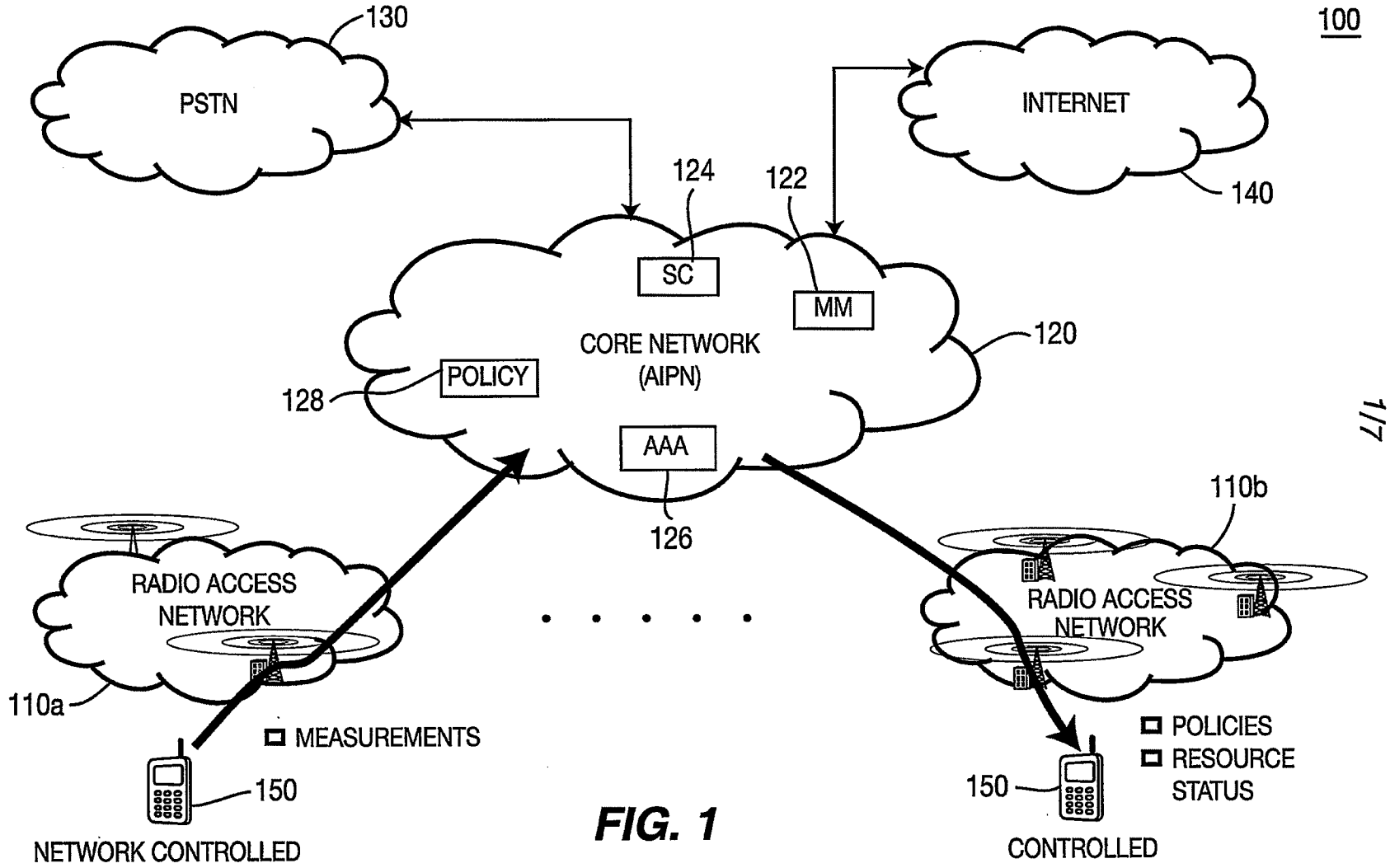

100
130
PSTN
INTERNET
140
124
122
SC
MM
CORE NETWORK
(AIPN)
120
POLICY
128
AAA
126
110b
RADIO ACCESS
NETWORK
RADIO ACCESS
NETWORK
110a
MEASUREMENTS
POLICIES
RESOURCE
STATUS
150
150
NETWORK CONTROLLED
CONTROLLED

FIG. 1

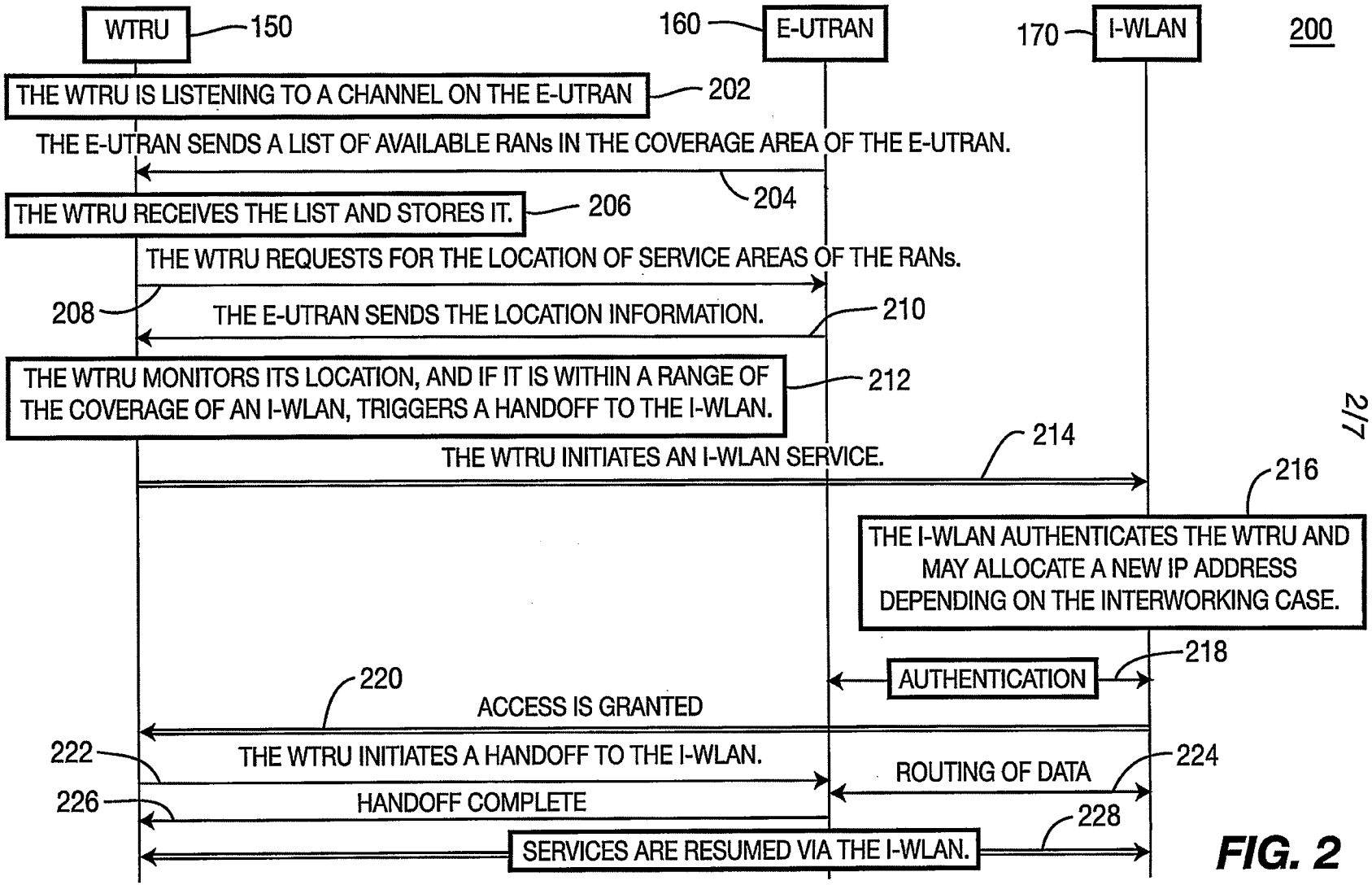

WTRU
150
160
E-UTRAN
170
I-WLAN
200
THE WTRU IS LISTENING TO A CHANNEL ON THE E-UTRAN
202
THE E-UTRAN SENDS A LIST OF AVAILABLE RANs IN THE COVERAGE AREA OF THE E-UTRAN.
204
THE WTRU RECEIVES THE LIST AND STORES IT.
206
THE WTRU REQUESTS FOR THE LOCATION OF SERVICE AREAS OF THE RANs.
208
THE E-UTRAN SENDS THE LOCATION INFORMATION.
210
THE WTRU MONITORS ITS LOCATION, AND IF IT IS WITHIN A RANGE OF THE COVERAGE OF AN I-WLAN, TRIGGERS A HANDOFF TO THE I-WLAN.
212
THE WTRU INITIATES AN I-WLAN SERVICE.
214
216
THE I-WLAN AUTHENTICATES THE WTRU AND MAY ALLOCATE A NEW IP ADDRESS DEPENDING ON THE INTERWORKING CASE.
218
AUTHENTICATION
220
ACCESS IS GRANTED
222
THE WTRU INITIATES A HANDOFF TO THE I-WLAN.
224
ROUTING OF DATA
226
HANDOFF COMPLETE
228
SERVICES ARE RESUMED VIA THE I-WLAN.

FIG. 2

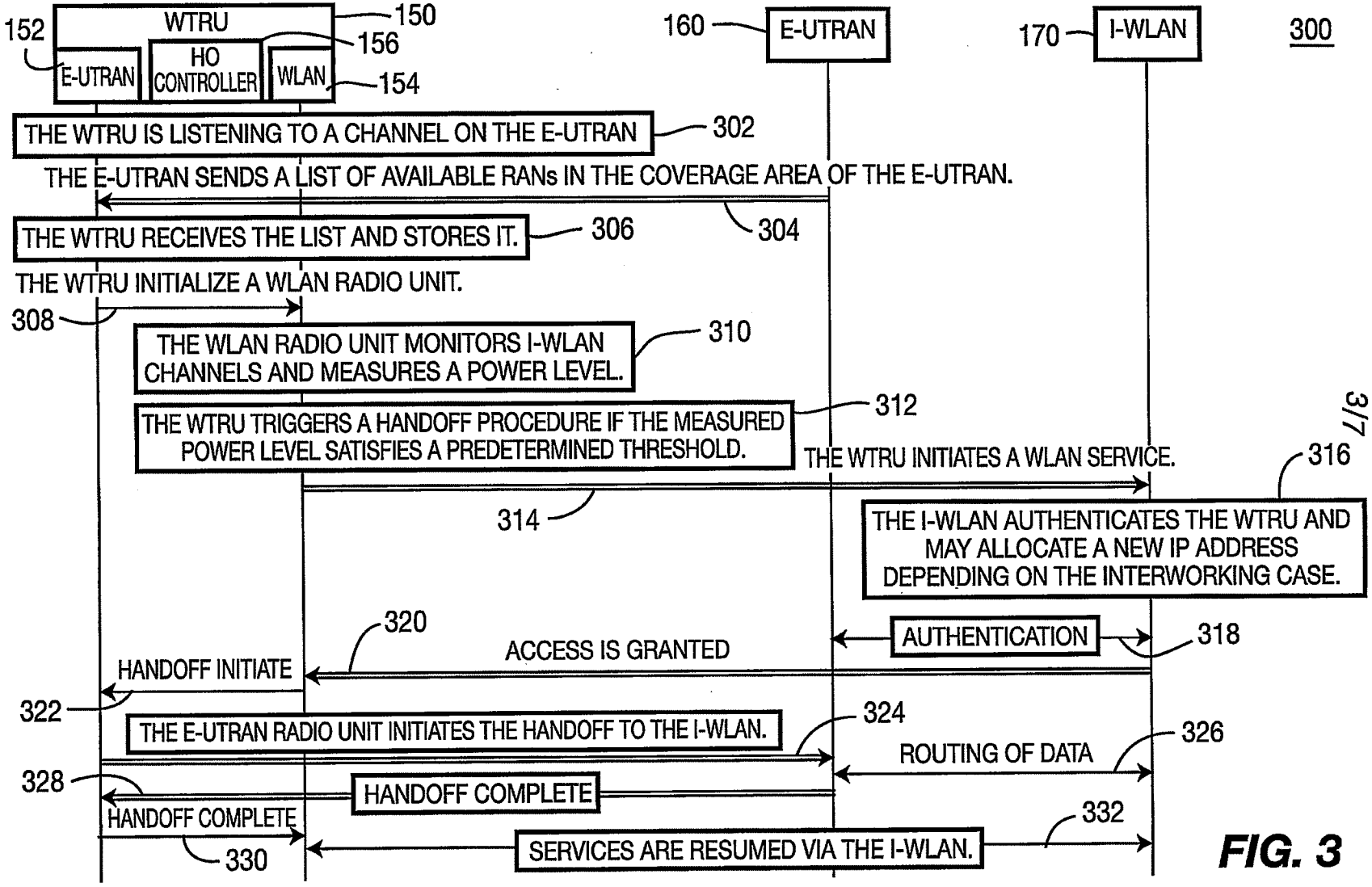

152
WTRU
150
156
E-UTRAN
HO CONTROLLER
WLAN
154
160
E-UTRAN
170
I-WLAN
300
THE WTRU IS LISTENING TO A CHANNEL ON THE E-UTRAN
302
THE E-UTRAN SENDS A LIST OF AVAILABLE RANs IN THE COVERAGE AREA OF THE E-UTRAN.
304
THE WTRU RECEIVES THE LIST AND STORES IT.
306
THE WTRU INITIALIZE A WLAN RADIO UNIT.
308
THE WLAN RADIO UNIT MONITORS I-WLAN CHANNELS AND MEASURES A POWER LEVEL.
310
THE WTRU TRIGGERS A HANDOFF PROCEDURE IF THE MEASURED POWER LEVEL SATISFIES A PREDETERMINED THRESHOLD.
312
THE WTRU INITIATES A WLAN SERVICE.
314
316
THE I-WLAN AUTHENTICATES THE WTRU AND MAY ALLOCATE A NEW IP ADDRESS DEPENDING ON THE INTERWORKING CASE.
320
ACCESS IS GRANTED
AUTHENTICATION
318
HANDOFF INITIATE
322
THE E-UTRAN RADIO UNIT INITIATES THE HANDOFF TO THE I-WLAN.
324
ROUTING OF DATA
326
328
HANDOFF COMPLETE
HANDOFF COMPLETE
330
SERVICES ARE RESUMED VIA THE I-WLAN.
332

FIG. 3

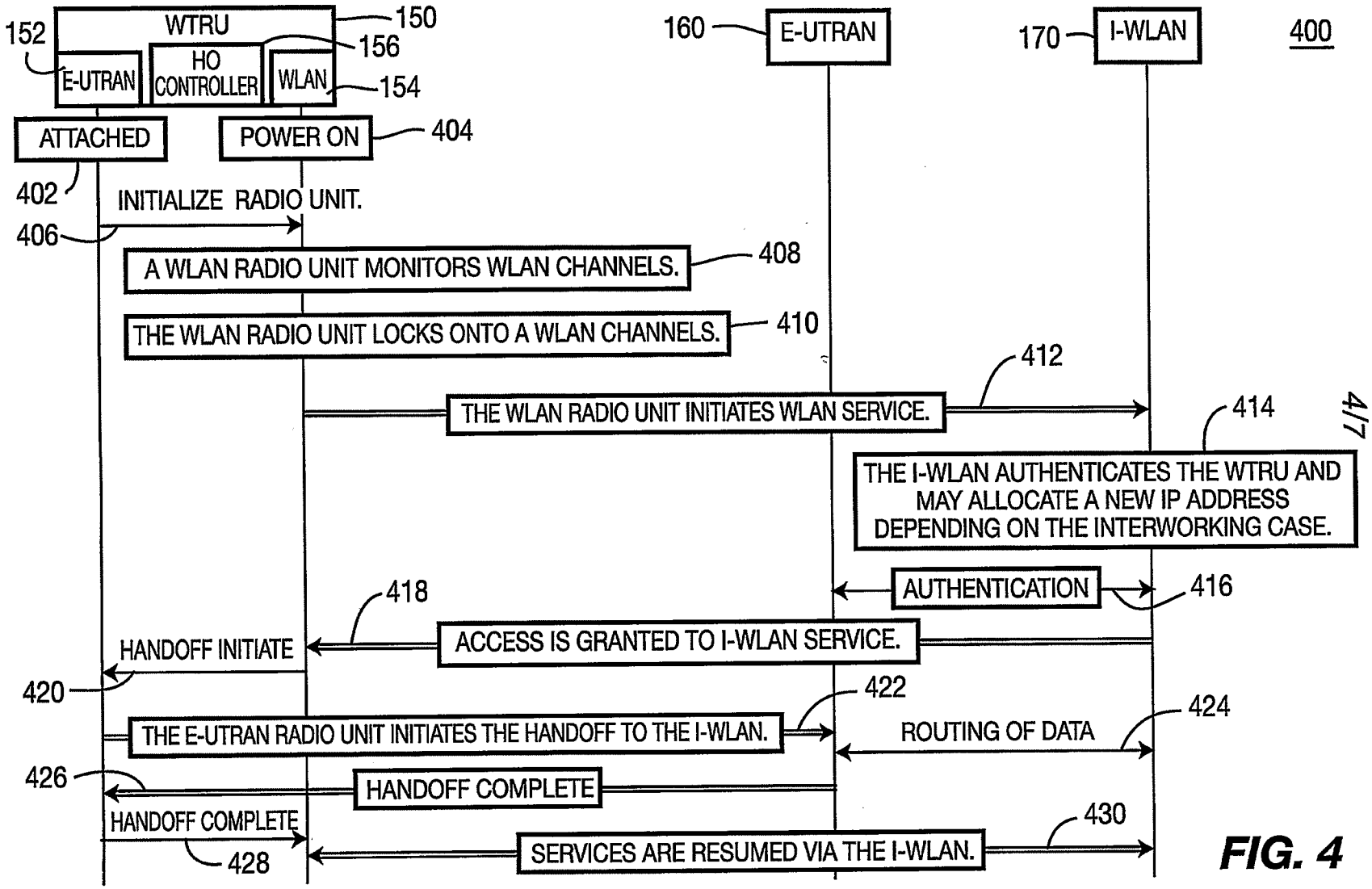

WTRU
150
152
156
E-UTRAN
HO CONTROLLER
WLAN
154
160
E-UTRAN
170
I-WLAN
400
ATTACHED
POWER ON
404
402
INITIALIZE RADIO UNIT.
406
A WLAN RADIO UNIT MONITORS WLAN CHANNELS.
408
THE WLAN RADIO UNIT LOCKS ONTO A WLAN CHANNELS.
410
412
THE WLAN RADIO UNIT INITIATES WLAN SERVICE.
414
THE I-WLAN AUTHENTICATES THE WTRU AND MAY ALLOCATE A NEW IP ADDRESS DEPENDING ON THE INTERWORKING CASE.
AUTHENTICATION
416
418
ACCESS IS GRANTED TO I-WLAN SERVICE.
HANDOFF INITIATE
420
422
THE E-UTRAN RADIO UNIT INITIATES THE HANDOFF TO THE I-WLAN.
424
ROUTING OF DATA
426
HANDOFF COMPLETE
HANDOFF COMPLETE
428
430
SERVICES ARE RESUMED VIA THE I-WLAN.
4/7

FIG. 4

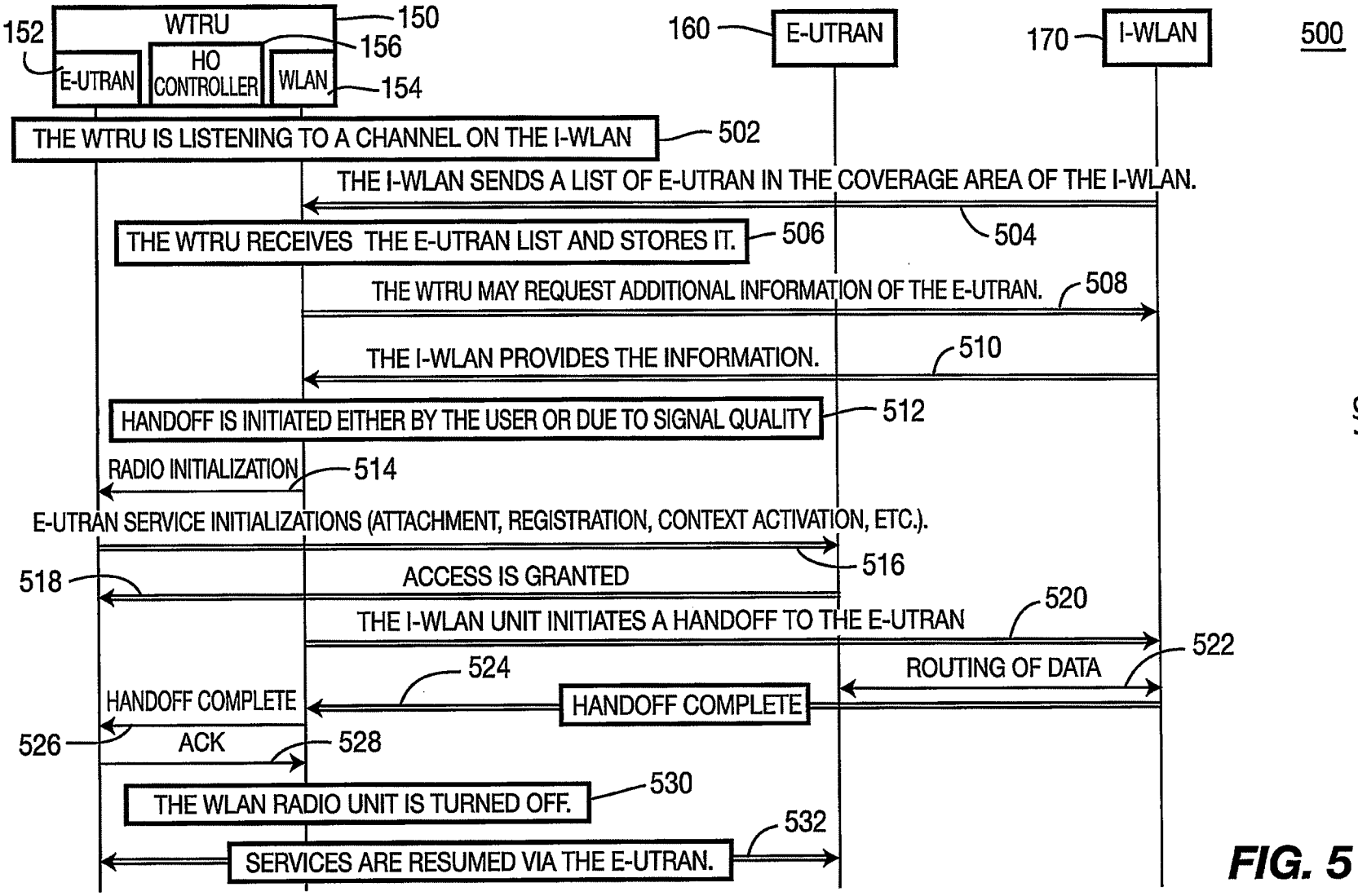

WTRU
150
152
156
E-UTRAN
HO CONTROLLER
WLAN
154
160
E-UTRAN
170
I-WLAN
500
THE WTRU IS LISTENING TO A CHANNEL ON THE I-WLAN
502
THE I-WLAN SENDS A LIST OF E-UTRAN IN THE COVERAGE AREA OF THE I-WLAN.
504
THE WTRU RECEIVES THE E-UTRAN LIST AND STORES IT.
506
THE WTRU MAY REQUEST ADDITIONAL INFORMATION OF THE E-UTRAN.
508
THE I-WLAN PROVIDES THE INFORMATION.
510
HANDOFF IS INITIATED EITHER BY THE USER OR DUE TO SIGNAL QUALITY
512
RADIO INITIALIZATION
514
E-UTRAN SERVICE INITIALIZATIONS (ATTACHMENT, REGISTRATION, CONTEXT ACTIVATION, ETC.).
516
518
ACCESS IS GRANTED
520
THE I-WLAN UNIT INITIATES A HANDOFF TO THE E-UTRAN
522
524
ROUTING OF DATA
HANDOFF COMPLETE
HANDOFF COMPLETE
526
ACK
528
THE WLAN RADIO UNIT IS TURNED OFF.
530
532
SERVICES ARE RESUMED VIA THE E-UTRAN.

FIG. 5

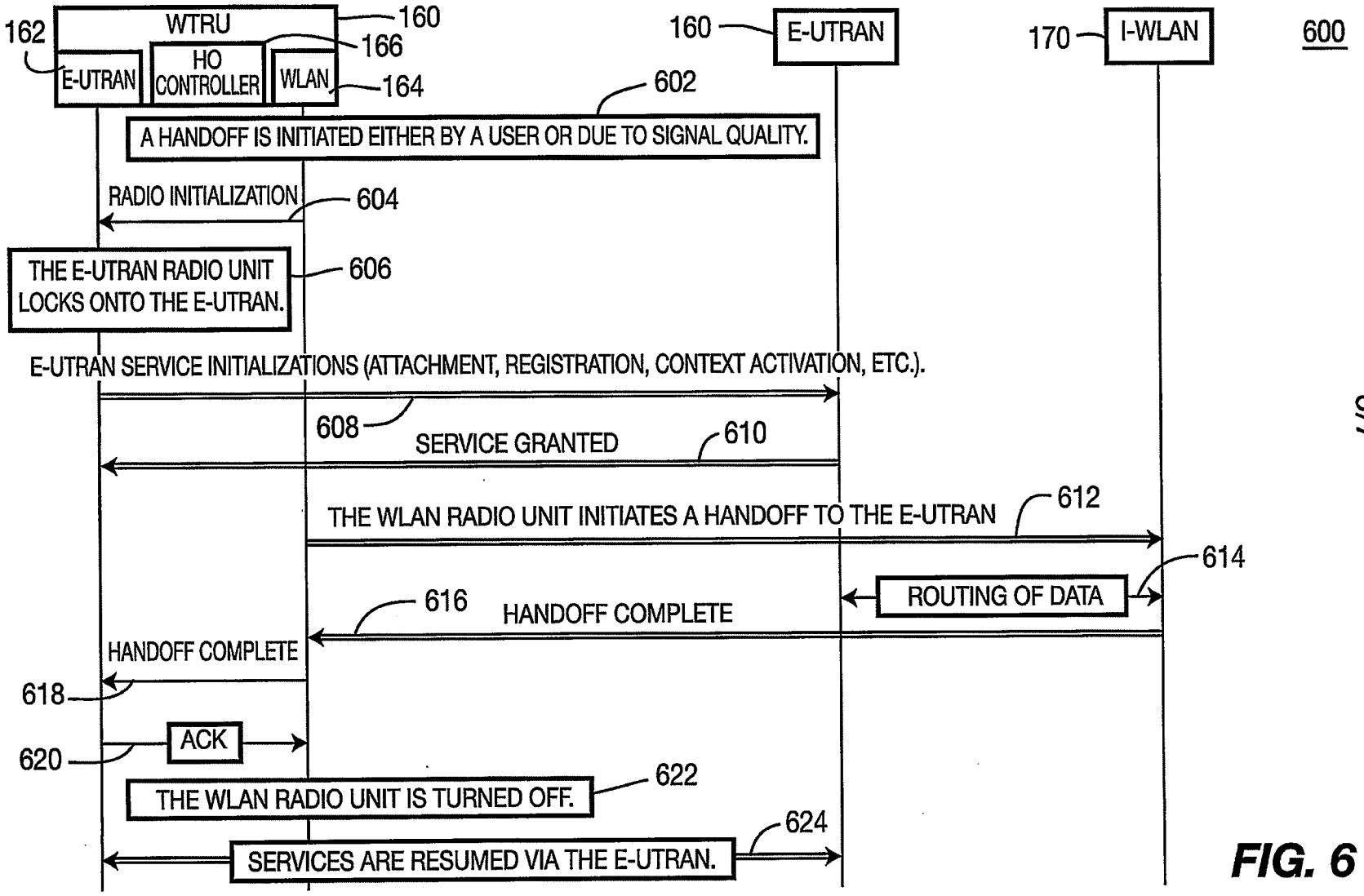

600
WTRU
162
160
166
164
E-UTRAN
HO CONTROLLER
WLAN
160
E-UTRAN
170
I-WLAN
602
A HANDOFF IS INITIATED EITHER BY A USER OR DUE TO SIGNAL QUALITY.
RADIO INITIALIZATION
604
THE E-UTRAN RADIO UNIT LOCKS ONTO THE E-UTRAN.
606
E-UTRAN SERVICE INITIALIZATIONS (ATTACHMENT, REGISTRATION, CONTEXT ACTIVATION, ETC.).
608
SERVICE GRANTED
610
THE WLAN RADIO UNIT INITIATES A HANDOFF TO THE E-UTRAN
612
614
ROUTING OF DATA
616
HANDOFF COMPLETE
HANDOFF COMPLETE
618
620
ACK
THE WLAN RADIO UNIT IS TURNED OFF.
622
624
SERVICES ARE RESUMED VIA THE E-UTRAN.

FIG. 6

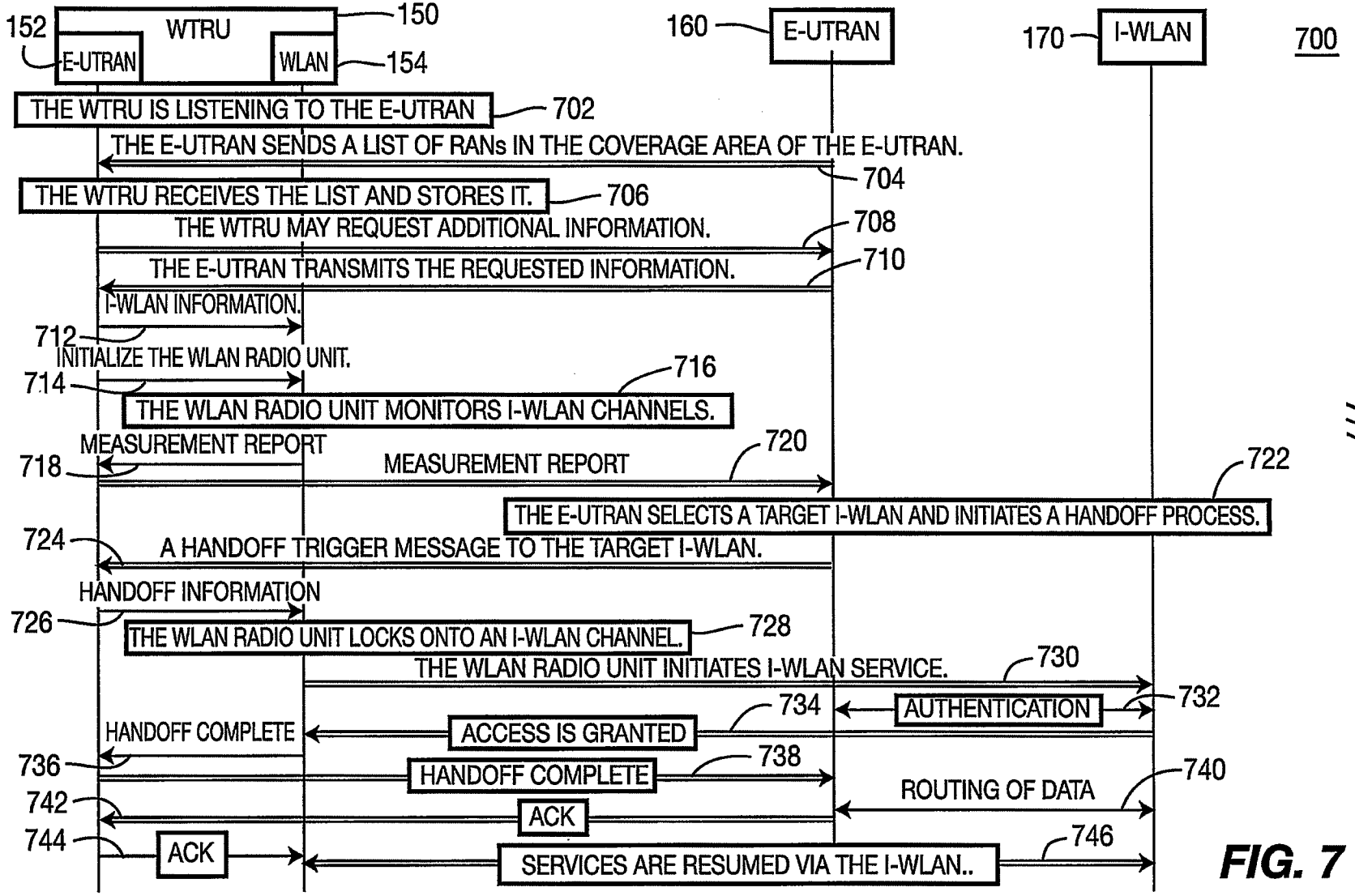

152
WTRU
150
E-UTRAN
WLAN
154
160
E-UTRAN
170
I-WLAN
700
THE WTRU IS LISTENING TO THE E-UTRAN
702
THE E-UTRAN SENDS A LIST OF RANs IN THE COVERAGE AREA OF THE E-UTRAN.
704
THE WTRU RECEIVES THE LIST AND STORES IT.
706
THE WTRU MAY REQUEST ADDITIONAL INFORMATION.
708
THE E-UTRAN TRANSMITS THE REQUESTED INFORMATION.
710
I-WLAN INFORMATION.
712
INITIALIZE THE WLAN RADIO UNIT.
714
716
THE WLAN RADIO UNIT MONITORS I-WLAN CHANNELS.
MEASUREMENT REPORT
718
MEASUREMENT REPORT
720
722
THE E-UTRAN SELECTS A TARGET I-WLAN AND INITIATES A HANDOFF PROCESS.
724
A HANDOFF TRIGGER MESSAGE TO THE TARGET I-WLAN.
HANDOFF INFORMATION
726
THE WLAN RADIO UNIT LOCKS ONTO AN I-WLAN CHANNEL.
728
THE WLAN RADIO UNIT INITIATES I-WLAN SERVICE.
730
AUTHENTICATION
732
734
HANDOFF COMPLETE
ACCESS IS GRANTED
736
HANDOFF COMPLETE
738
ROUTING OF DATA
740
742
ACK
744
ACK
SERVICES ARE RESUMED VIA THE I-WLAN..
746
717

FIG. 7