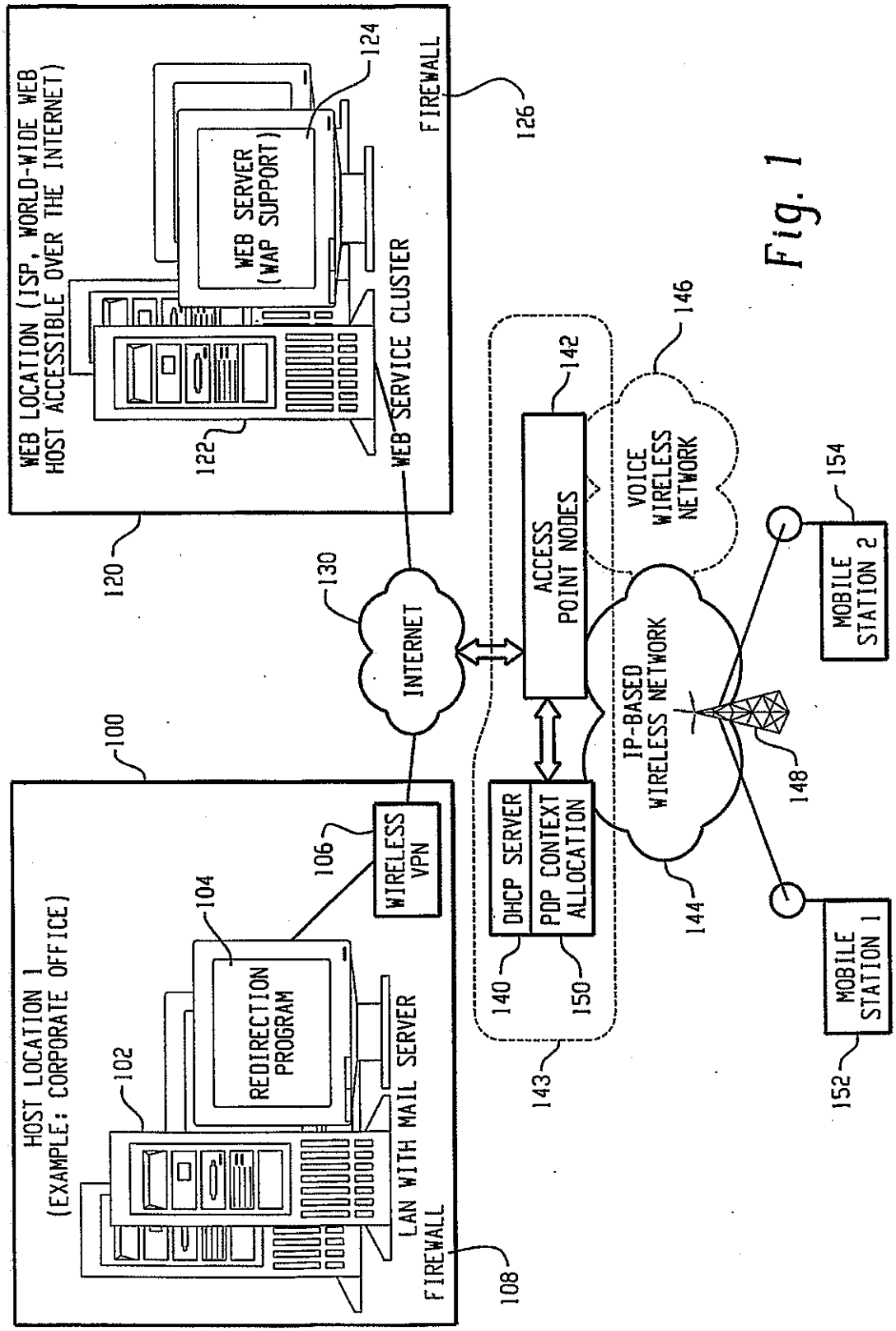

WEB LOCATION (ISP, WORLD-WIDE WEB HOST ACCESSIBLE OVER THE INTERNET)
WEB SERVER (WAP SUPPORT)
124
122
WEB SERVICE CLUSTER
FIREWALL
126
120
130
INTERNET
ACCESS POINT NODES
142
146
VOICE WIRELESS NETWORK
154
MOBILE STATION 2
IP-BASED WIRELESS NETWORK
148
144
100
HOST LOCATION 1 (EXAMPLE: CORPORATE OFFICE)
WIRELESS VPN
106
104
REDIRECTION PROGRAM
102
LAN WITH MAIL SERVER
FIREWALL
108
DHCP SERVER
PDP CONTEXT ALLOCATION
140
150
143
MOBILE STATION 1
152

Fig. 1

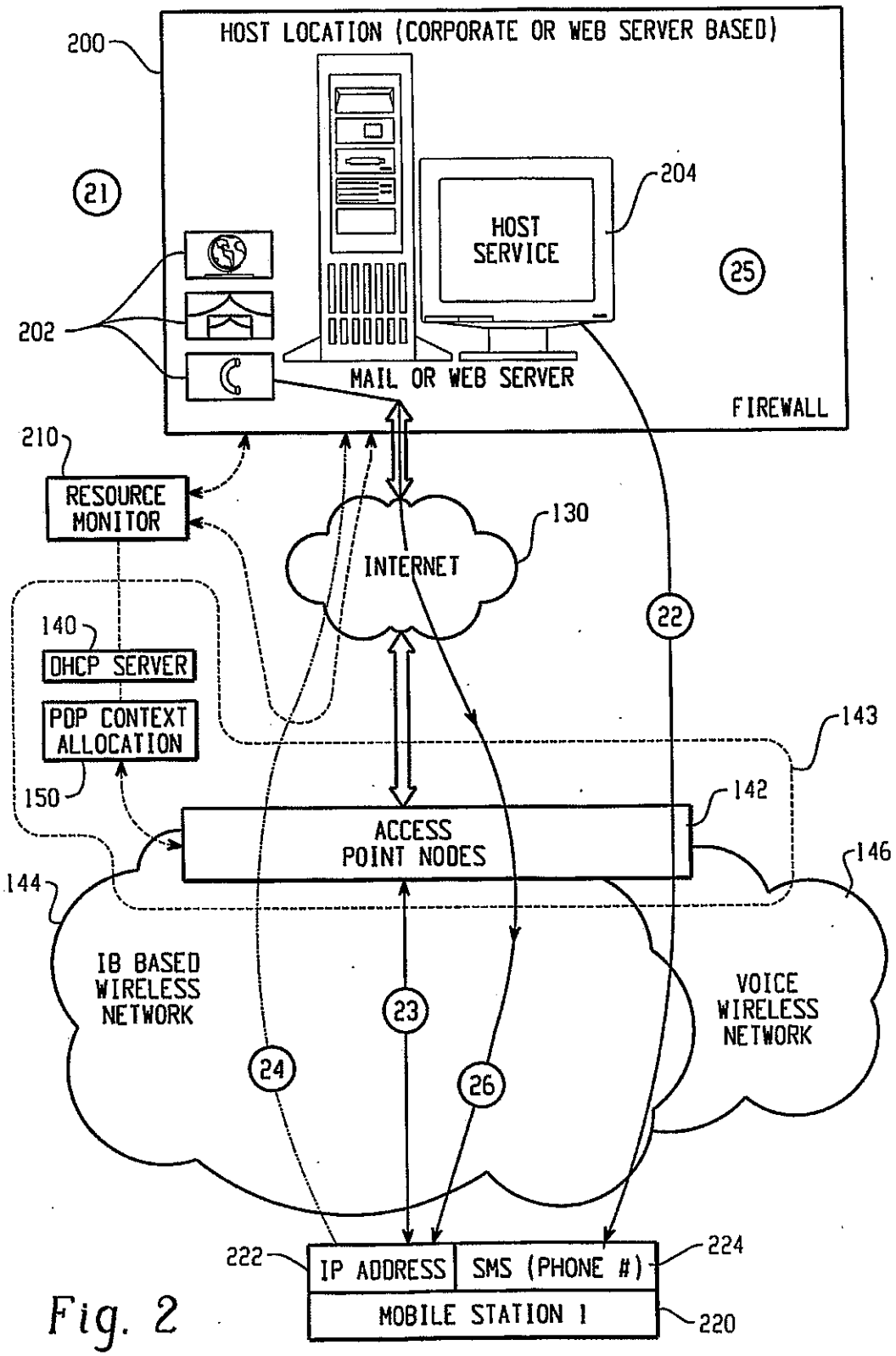

HOST LOCATION (CORPORATE OR WEB SERVER BASED)
200
21
HOST SERVICE
204
25
202
MAIL OR WEB SERVER
FIREWALL
210
RESOURCE MONITOR
130
INTERNET
22
140
DHCP SERVER
POP CONTEXT ALLOCATION
150
143
142
ACCESS POINT NODES
146
144
IB BASED WIRELESS NETWORK
VOICE WIRELESS NETWORK
23
24
26
222
IP ADDRESS
SMS (PHONE #)
224
MOBILE STATION 1
220

Fig. 2

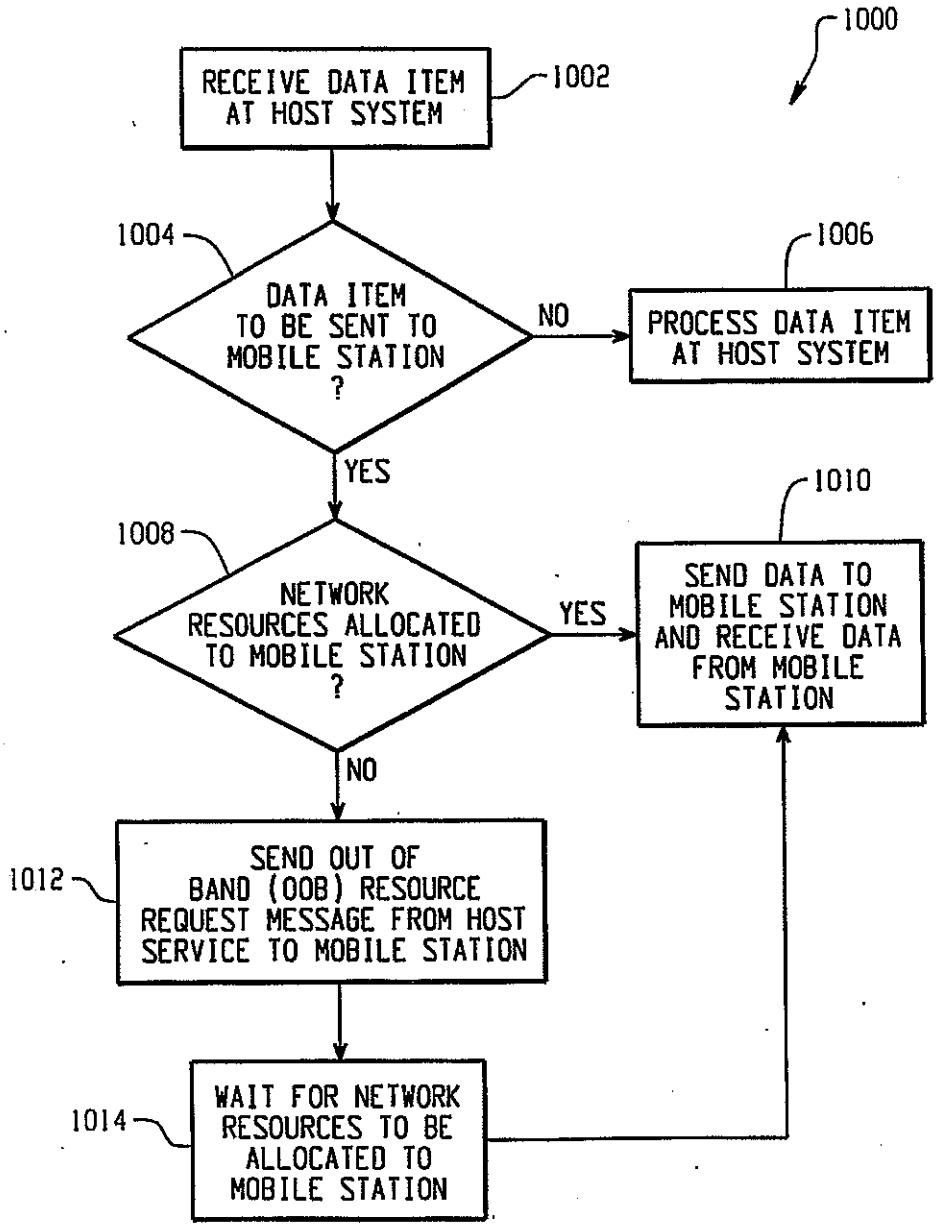

1000
RECEIVE DATA ITEM AT HOST SYSTEM
1002
1004
DATA ITEM TO BE SENT TO MOBILE STATION ?
NO
1006
PROCESS DATA ITEM AT HOST SYSTEM
YES
1008
NETWORK RESOURCES ALLOCATED TO MOBILE STATION ?
YES
1010
SEND DATA TO MOBILE STATION AND RECEIVE DATA FROM MOBILE STATION
NO
1012
SEND OUT OF BAND (OOB) RESOURCE REQUEST MESSAGE FROM HOST SERVICE TO MOBILE STATION
1014
WAIT FOR NETWORK RESOURCES TO BE ALLOCATED TO MOBILE STATION

Fig. 3

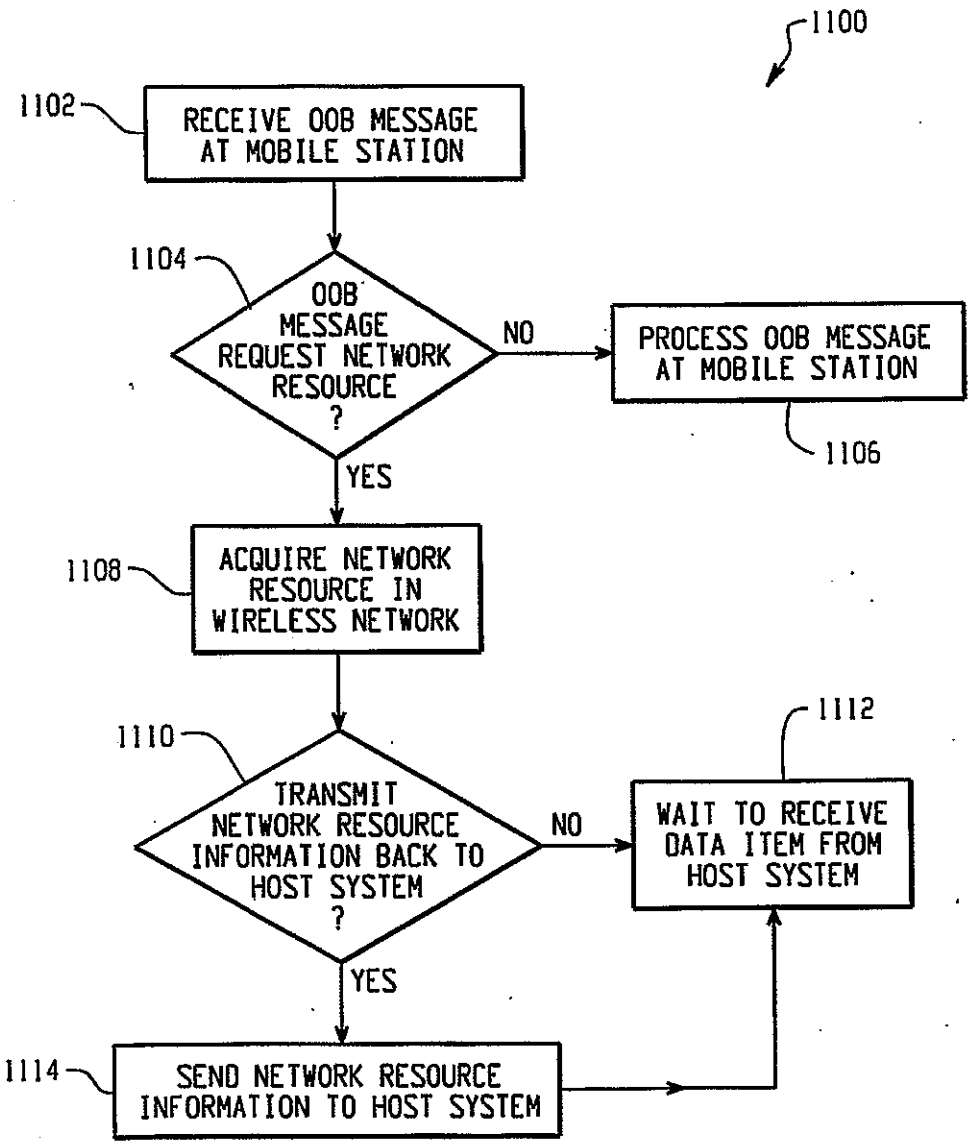

1100
1102
RECEIVE OOB MESSAGE AT MOBILE STATION
1104
OOB MESSAGE REQUEST NETWORK RESOURCE ?
NO
PROCESS OOB MESSAGE AT MOBILE STATION
1106
YES
1108
ACQUIRE NETWORK RESOURCE IN WIRELESS NETWORK
1110
TRANSMIT NETWORK RESOURCE INFORMATION BACK TO HOST SYSTEM ?
NO
1112
WAIT TO RECEIVE DATA ITEM FROM HOST SYSTEM
YES
1114
SEND NETWORK RESOURCE INFORMATION TO HOST SYSTEM

Fig. 4

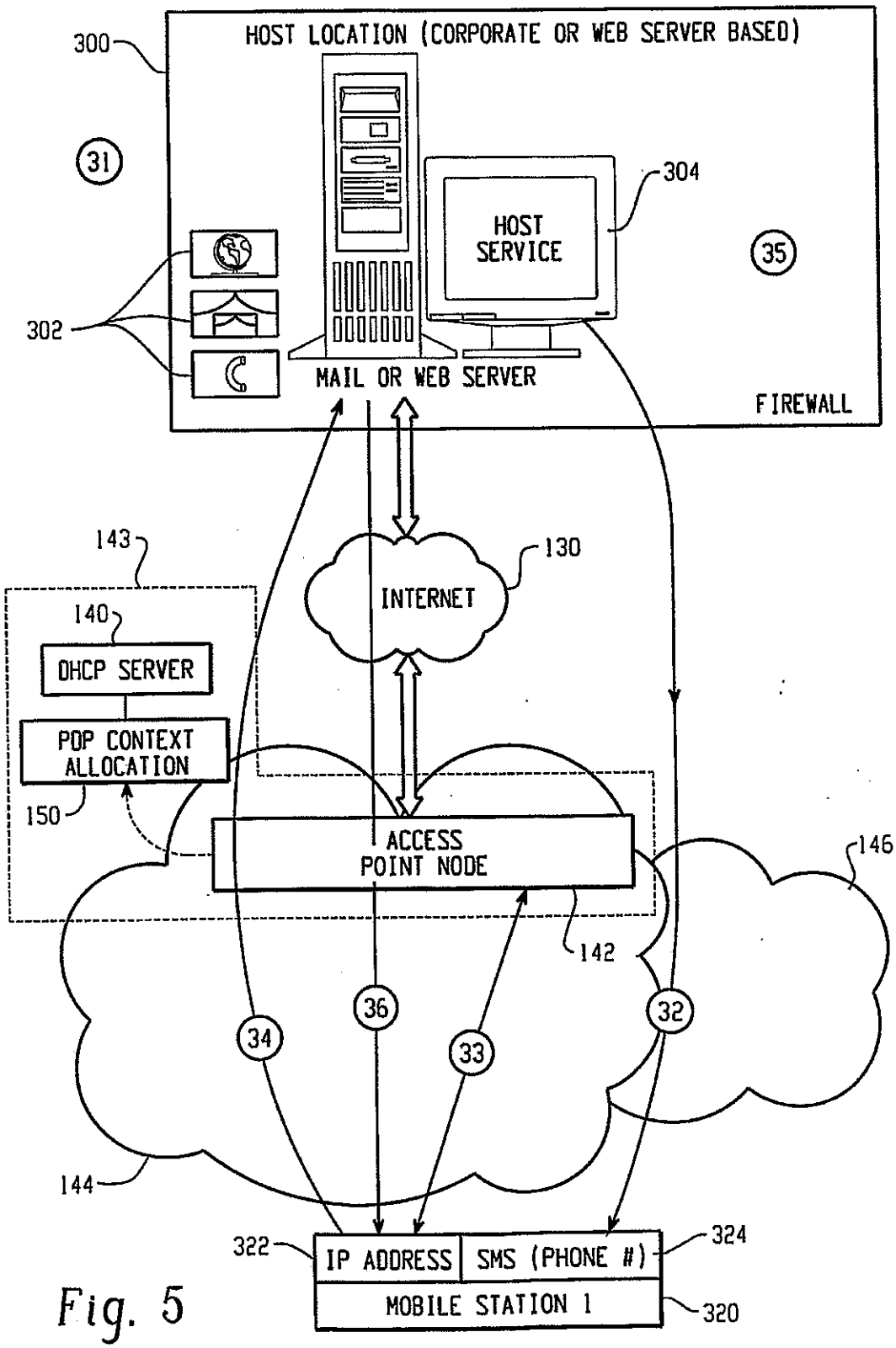

HOST LOCATION (CORPORATE OR WEB SERVER BASED)
300
31
304
HOST SERVICE
35
302
MAIL OR WEB SERVER
FIREWALL
143
130
INTERNET
140
DHCP SERVER
POP CONTEXT ALLOCATION
150
ACCESS POINT NODE
146
142
36
32
34
33
144
322
IP ADDRESS
SMS (PHONE #)
324
MOBILE STATION 1
320

Fig. 5

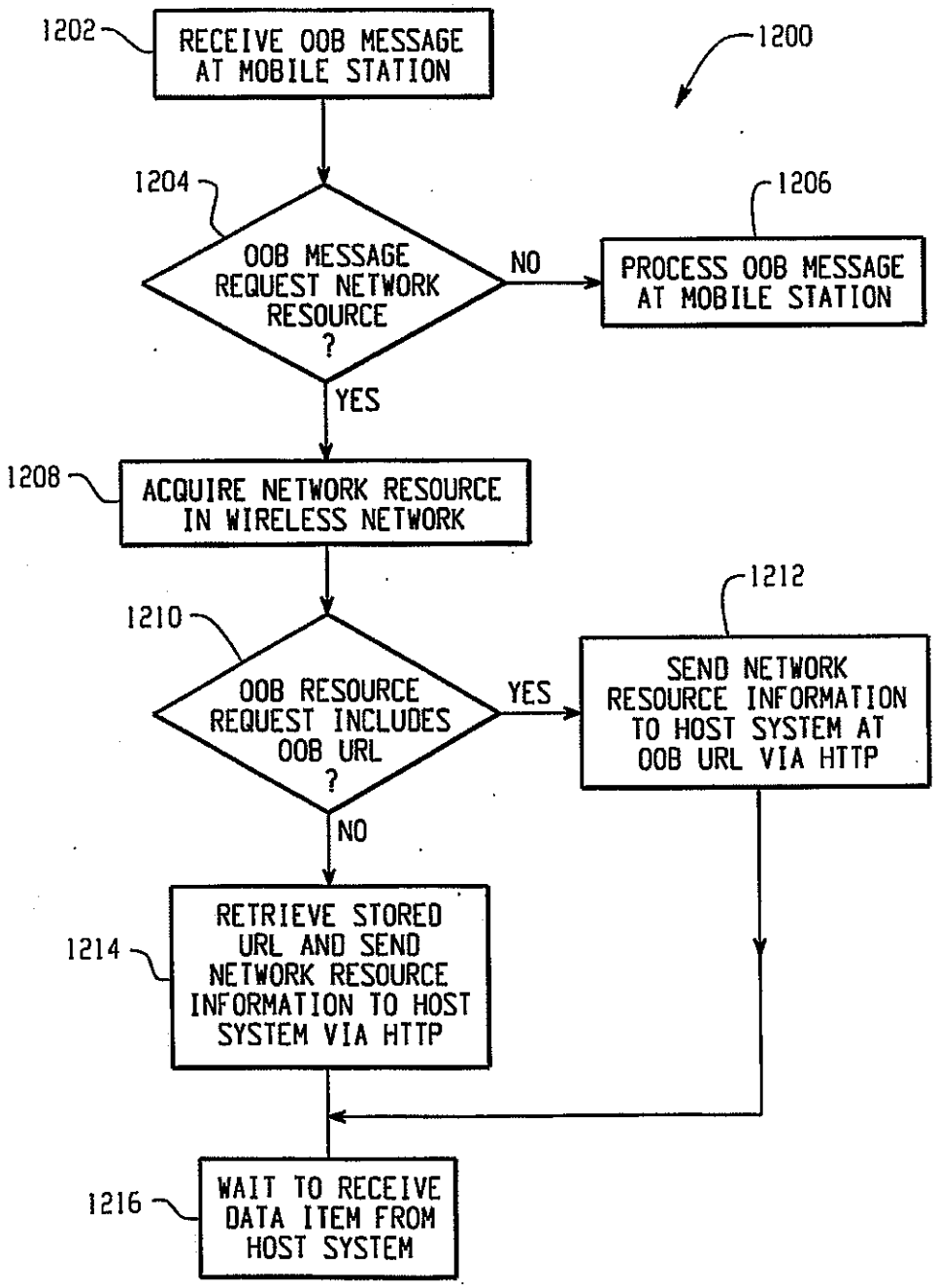

1202
RECEIVE OOB MESSAGE AT MOBILE STATION
1200
1204
OOB MESSAGE REQUEST NETWORK RESOURCE ?
NO
1206
PROCESS OOB MESSAGE AT MOBILE STATION
YES
1208
ACQUIRE NETWORK RESOURCE IN WIRELESS NETWORK
1210
OOB RESOURCE REQUEST INCLUDES OOB URL ?
YES
1212
SEND NETWORK RESOURCE INFORMATION TO HOST SYSTEM AT OOB URL VIA HTTP
NO
1214
RETRIEVE STORED URL AND SEND NETWORK RESOURCE INFORMATION TO HOST SYSTEM VIA HTTP
1216
WAIT TO RECEIVE DATA ITEM FROM HOST SYSTEM

Fig. 6

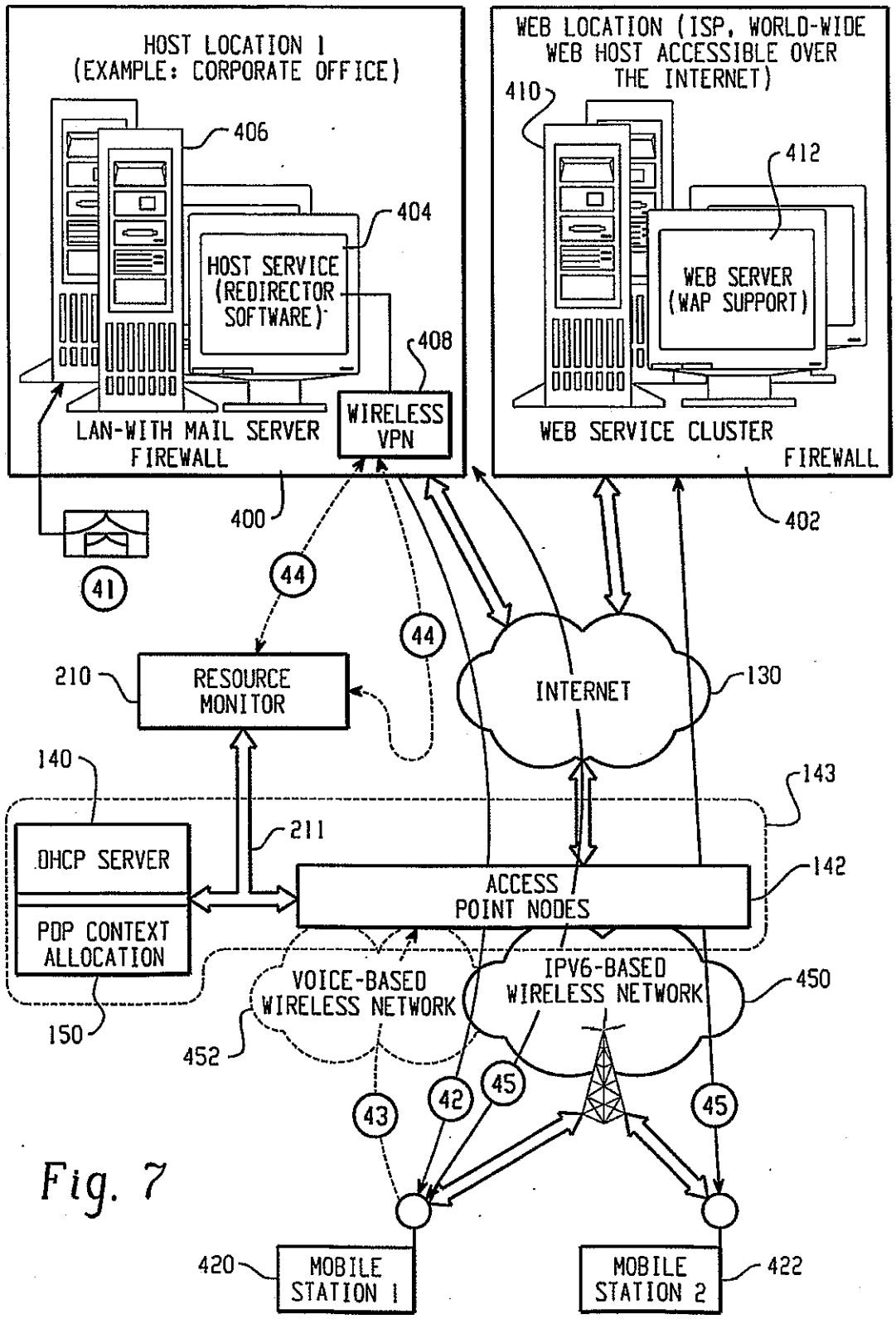

HOST LOCATION 1
(EXAMPLE: CORPORATE OFFICE)
406
404
HOST SERVICE
(REDIRECTOR
SOFTWARE)
408
WIRELESS
VPN
LAN-WITH MAIL SERVER
FIREWALL
400
WEB LOCATION (ISP, WORLD-WIDE
WEB HOST ACCESSIBLE OVER
THE INTERNET)
410
412
WEB SERVER
(WAP SUPPORT)
WEB SERVICE CLUSTER
FIREWALL
402
41
44
44
210
RESOURCE
MONITOR
INTERNET
130
140
143
211
DHCP SERVER
PDP CONTEXT
ALLOCATION
ACCESS
POINT NODES
142
VOICE-BASED
WIRELESS NETWORK
IPV6-BASED
WIRELESS NETWORK
450
150
452
43
42
45
45
420
MOBILE
STATION 1
MOBILE
STATION 2
422

Fig. 7

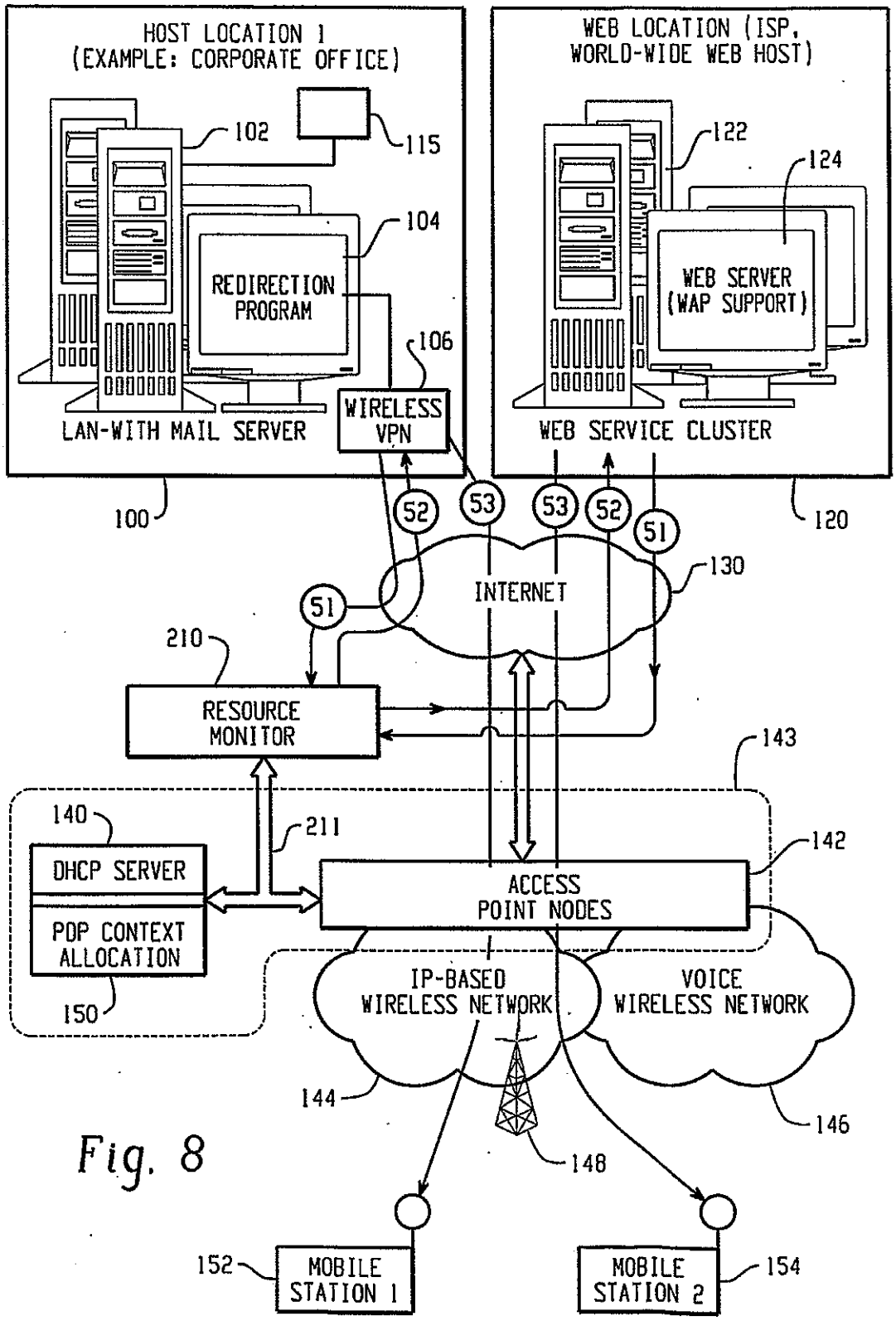

HOST LOCATION 1
(EXAMPLE: CORPORATE OFFICE)
102
115
104
REDIRECTION PROGRAM
106
WIRELESS VPN
LAN-WITH MAIL SERVER
100
WEB LOCATION (ISP, WORLD-WIDE WEB HOST)
122
124
WEB SERVER (WAP SUPPORT)
WEB SERVICE CLUSTER
120
52
53
53
52
51
INTERNET
130
51
210
RESOURCE MONITOR
143
140
211
142
DHCP SERVER
PDP CONTEXT ALLOCATION
150
ACCESS POINT NODES
IP-BASED WIRELESS NETWORK
VOICE WIRELESS NETWORK
144
146
148
152
MOBILE STATION 1
MOBILE STATION 2
154

Fig. 8

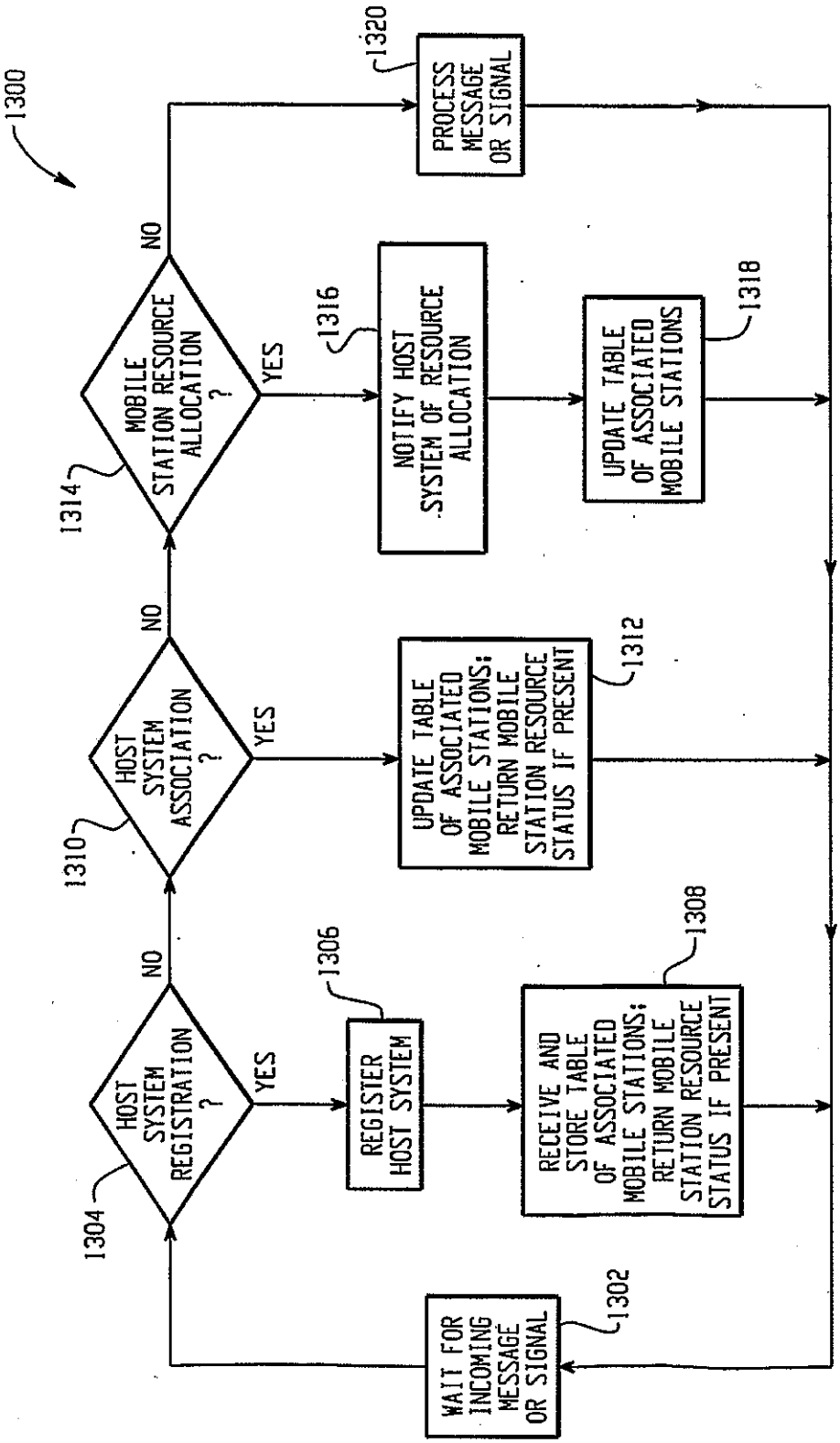

1300
1320
PROCESS MESSAGE OR SIGNAL
NO
MOBILE STATION RESOURCE ALLOCATION ?
YES
1316
NOTIFY HOST SYSTEM OF RESOURCE ALLOCATION
1318
UPDATE TABLE OF ASSOCIATED MOBILE STATIONS
1314
NO
HOST SYSTEM ASSOCIATION ?
YES
UPDATE TABLE OF ASSOCIATED MOBILE STATIONS; RETURN MOBILE STATION RESOURCE STATUS IF PRESENT
1312
1310
NO
HOST SYSTEM REGISTRATION ?
YES
1306
REGISTER HOST SYSTEM
1308
RECEIVE AND STORE TABLE OF ASSOCIATED MOBILE STATIONS; RETURN MOBILE STATION RESOURCE STATUS IF PRESENT
1304
1302
WAIT FOR INCOMING MESSAGE OR SIGNAL

Fig. 9