FIG. 5

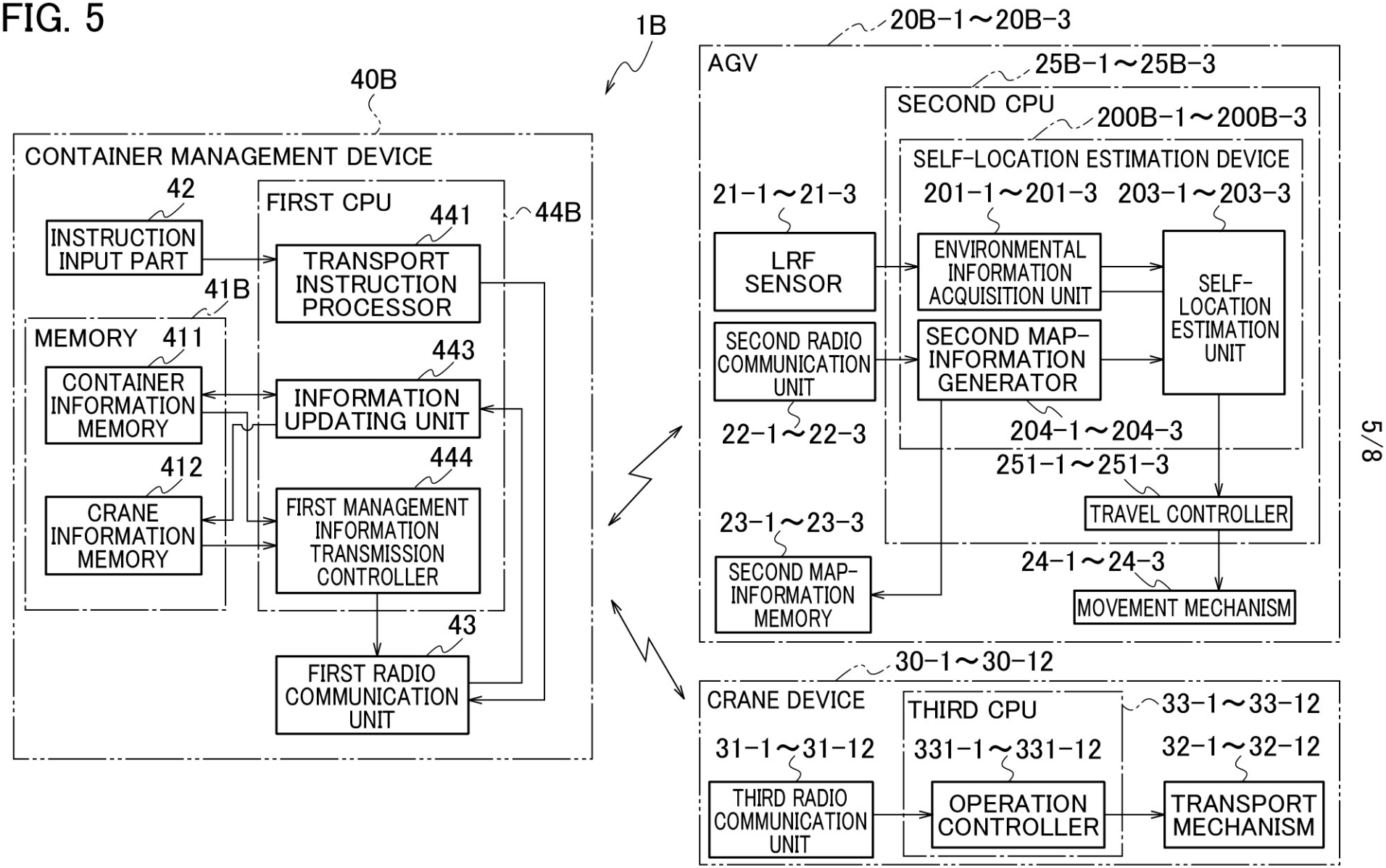

1B
40B
CONTAINER MANAGEMENT DEVICE
42
INSTRUCTION INPUT PART
FIRST CPU
441
TRANSPORT INSTRUCTION PROCESSOR
44B
41B
MEMORY
411
CONTAINER INFORMATION MEMORY
443
INFORMATION UPDATING UNIT
412
CRANE INFORMATION MEMORY
444
FIRST MANAGEMENT INFORMATION TRANSMISSION CONTROLLER
43
FIRST RADIO COMMUNICATION UNIT
20B-1～20B-3
AGV
25B-1～25B-3
SECOND CPU
200B-1～200B-3
SELF-LOCATION ESTIMATION DEVICE
21-1～21-3
LRF SENSOR
201-1～201-3
ENVIRONMENTAL INFORMATION ACQUISITION UNIT
203-1～203-3
SELF-LOCATION ESTIMATION UNIT
SECOND RADIO COMMUNICATION UNIT
SECOND MAP-INFORMATION GENERATOR
22-1～22-3
204-1～204-3
251-1～251-3
TRAVEL CONTROLLER
23-1～23-3
SECOND MAP-INFORMATION MEMORY
24-1～24-3
MOVEMENT MECHANISM
30-1～30-12
CRANE DEVICE
THIRD CPU
33-1～33-12
31-1～31-12
331-1～331-12
32-1～32-12
THIRD RADIO COMMUNICATION UNIT
OPERATION CONTROLLER
TRANSPORT MECHANISM

FIG. 7

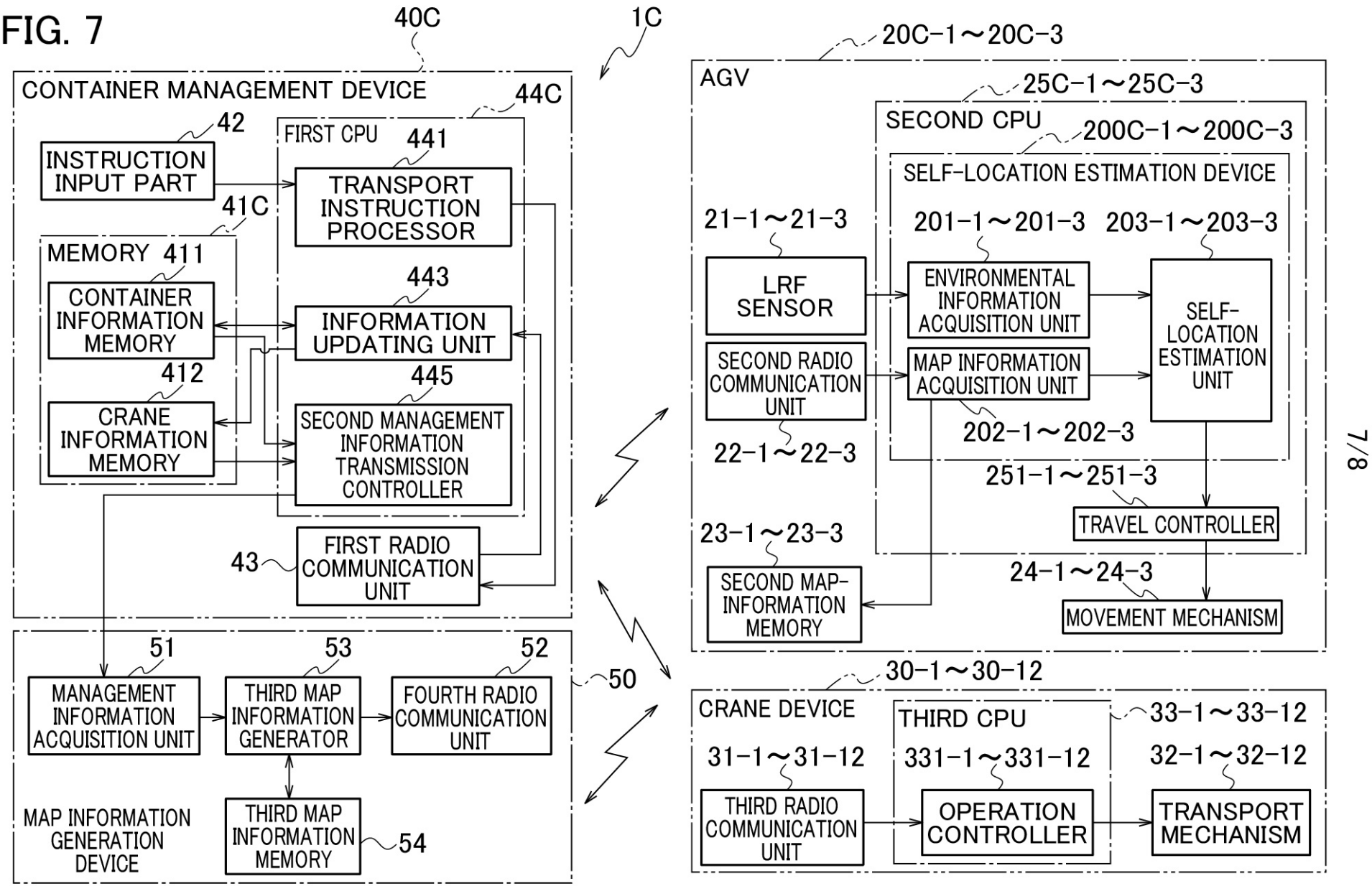
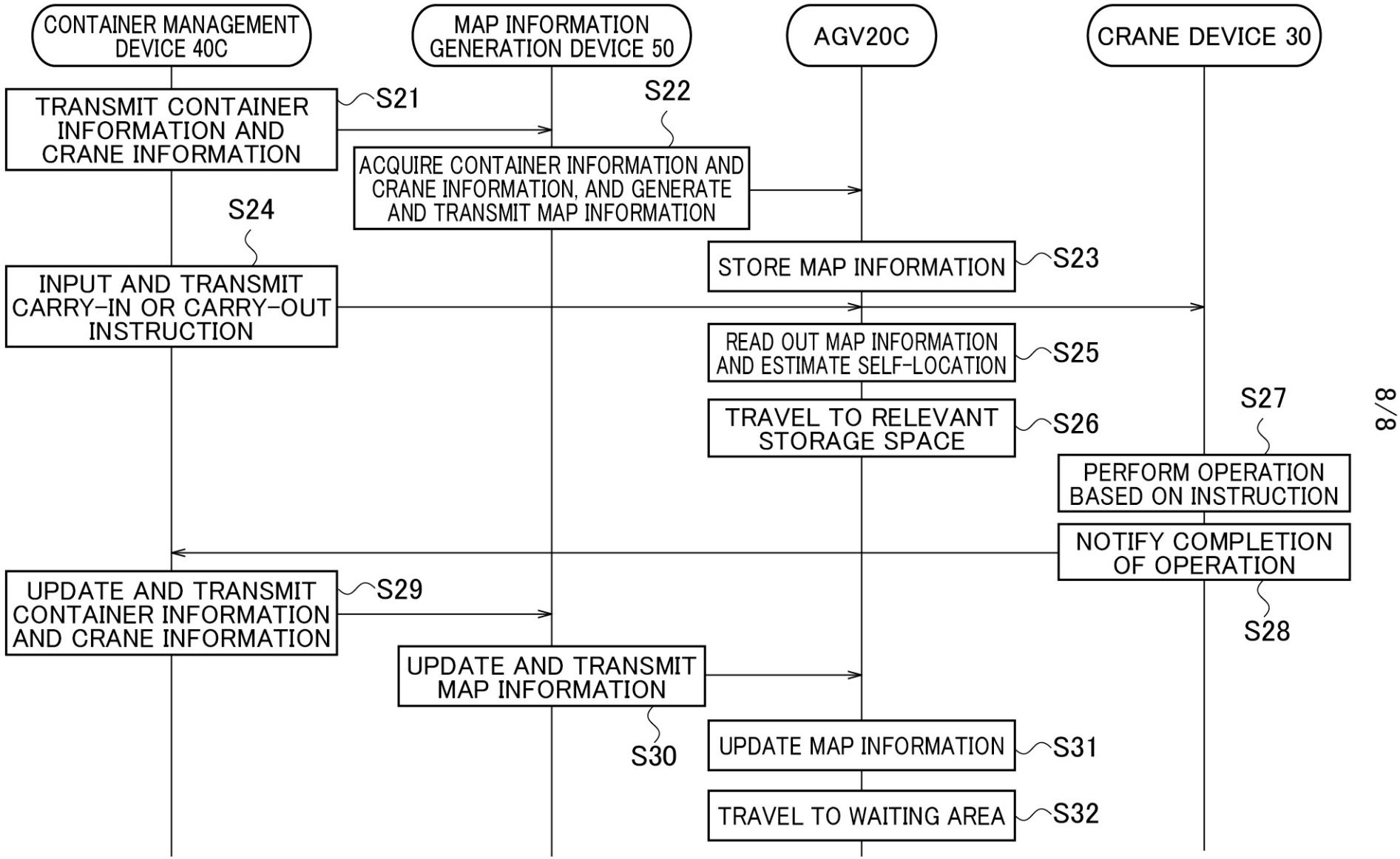

40C
1C
CONTAINER MANAGEMENT DEVICE
44C
42
INSTRUCTION INPUT PART
FIRST CPU
441
TRANSPORT INSTRUCTION PROCESSOR
41C
MEMORY 411
CONTAINER INFORMATION MEMORY
443
INFORMATION UPDATING UNIT
412
CRANE INFORMATION MEMORY
445
SECOND MANAGEMENT INFORMATION TRANSMISSION CONTROLLER
43
FIRST RADIO COMMUNICATION UNIT
51
53
52
MANAGEMENT INFORMATION ACQUISITION UNIT
THIRD MAP INFORMATION GENERATOR
FOURTH RADIO COMMUNICATION UNIT
50
MAP INFORMATION GENERATION DEVICE
THIRD MAP INFORMATION MEMORY
54
20C-1～20C-3
AGV
25C-1～25C-3
SECOND CPU
200C-1～200C-3
SELF-LOCATION ESTIMATION DEVICE
21-1～21-3
201-1～201-3
203-1～203-3
LRF SENSOR
ENVIRONMENTAL INFORMATION ACQUISITION UNIT
SELF-LOCATION ESTIMATION UNIT
SECOND RADIO COMMUNICATION UNIT
MAP INFORMATION ACQUISITION UNIT
202-1～202-3
22-1～22-3
251-1～251-3
TRAVEL CONTROLLER
23-1～23-3
24-1～24-3
SECOND MAP-INFORMATION MEMORY
MOVEMENT MECHANISM
30-1～30-12
CRANE DEVICE
THIRD CPU
33-1～33-12
31-1～31-12
331-1～331-12
32-1～32-12
THIRD RADIO COMMUNICATION UNIT
OPERATION CONTROLLER
TRANSPORT MECHANISM

FIG. 8


CONTAINER MANAGEMENT DEVICE 40C
MAP INFORMATION GENERATION DEVICE 50
AGV20C
CRANE DEVICE 30
TRANSMIT CONTAINER INFORMATION AND CRANE INFORMATION
S21
S22
ACQUIRE CONTAINER INFORMATION AND CRANE INFORMATION, AND GENERATE AND TRANSMIT MAP INFORMATION
S24
INPUT AND TRANSMIT CARRY-IN OR CARRY-OUT INSTRUCTION
STORE MAP INFORMATION
S23
READ OUT MAP INFORMATION AND ESTIMATE SELF-LOCATION
S25
TRAVEL TO RELEVANT STORAGE SPACE
S26
S27
PERFORM OPERATION BASED ON INSTRUCTION
NOTIFY COMPLETION OF OPERATION
S28
UPDATE AND TRANSMIT CONTAINER INFORMATION AND CRANE INFORMATION
S29
UPDATE AND TRANSMIT MAP INFORMATION
S30
UPDATE MAP INFORMATION
S31
TRAVEL TO WAITING AREA
S32