FIG. 1

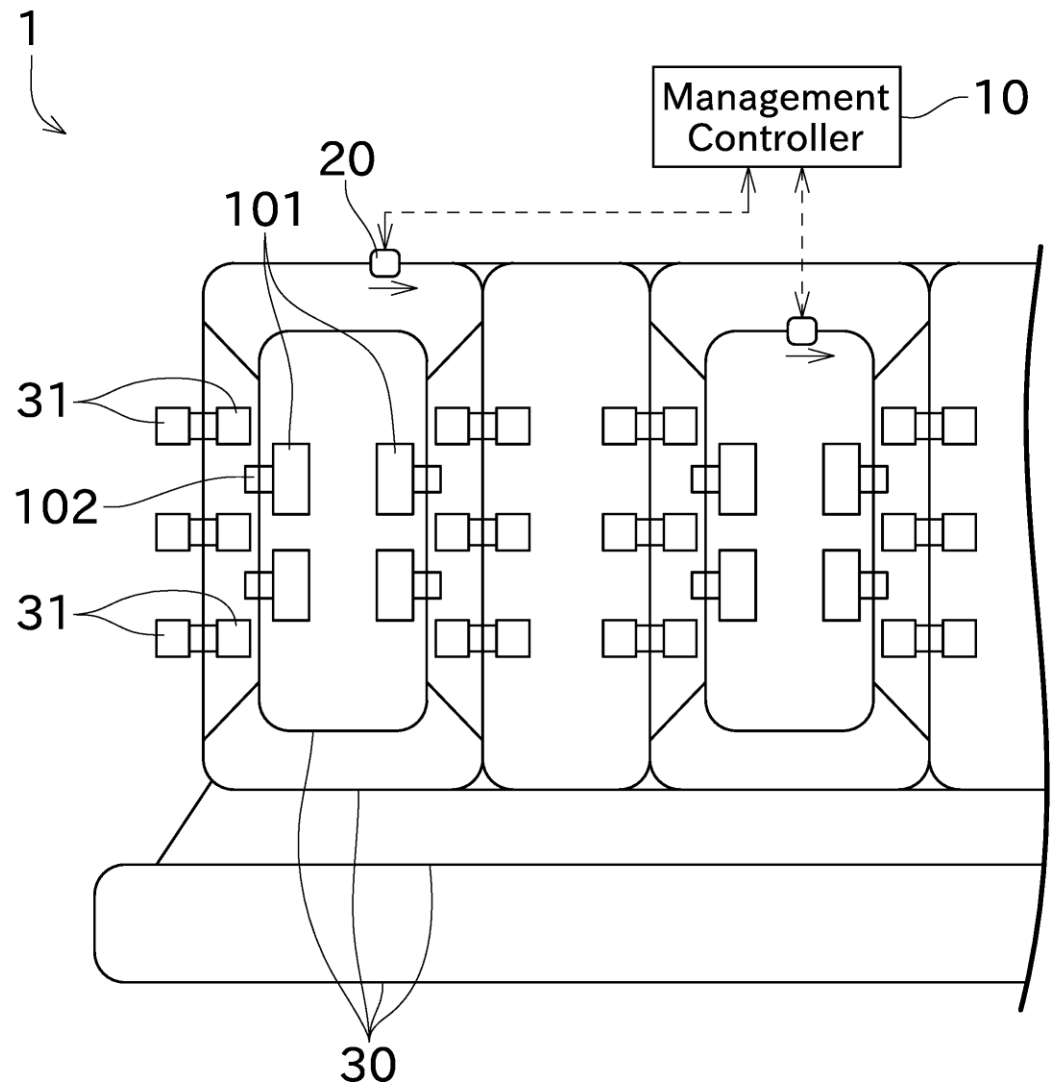


FIG. 2

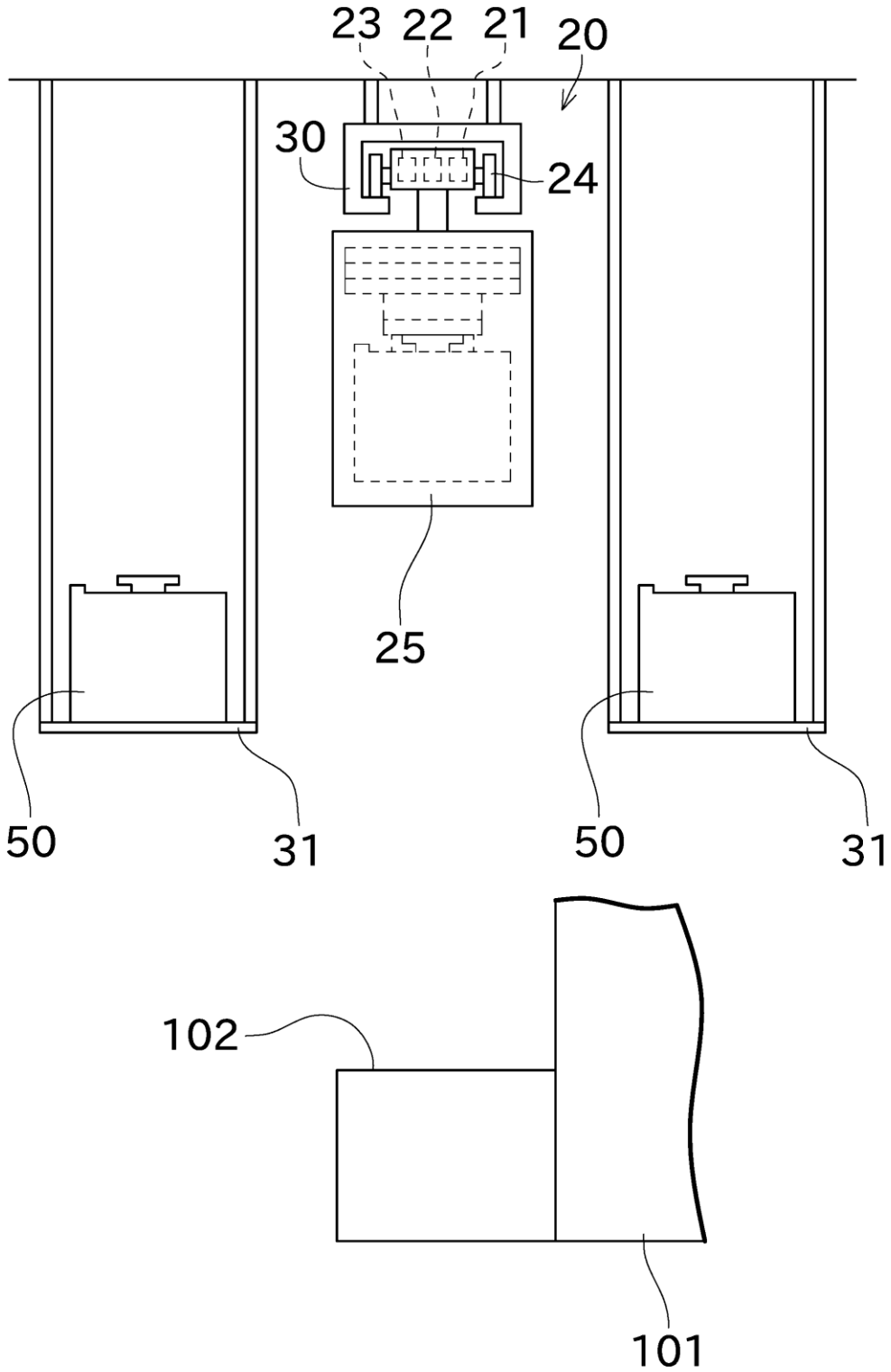


FIG. 3

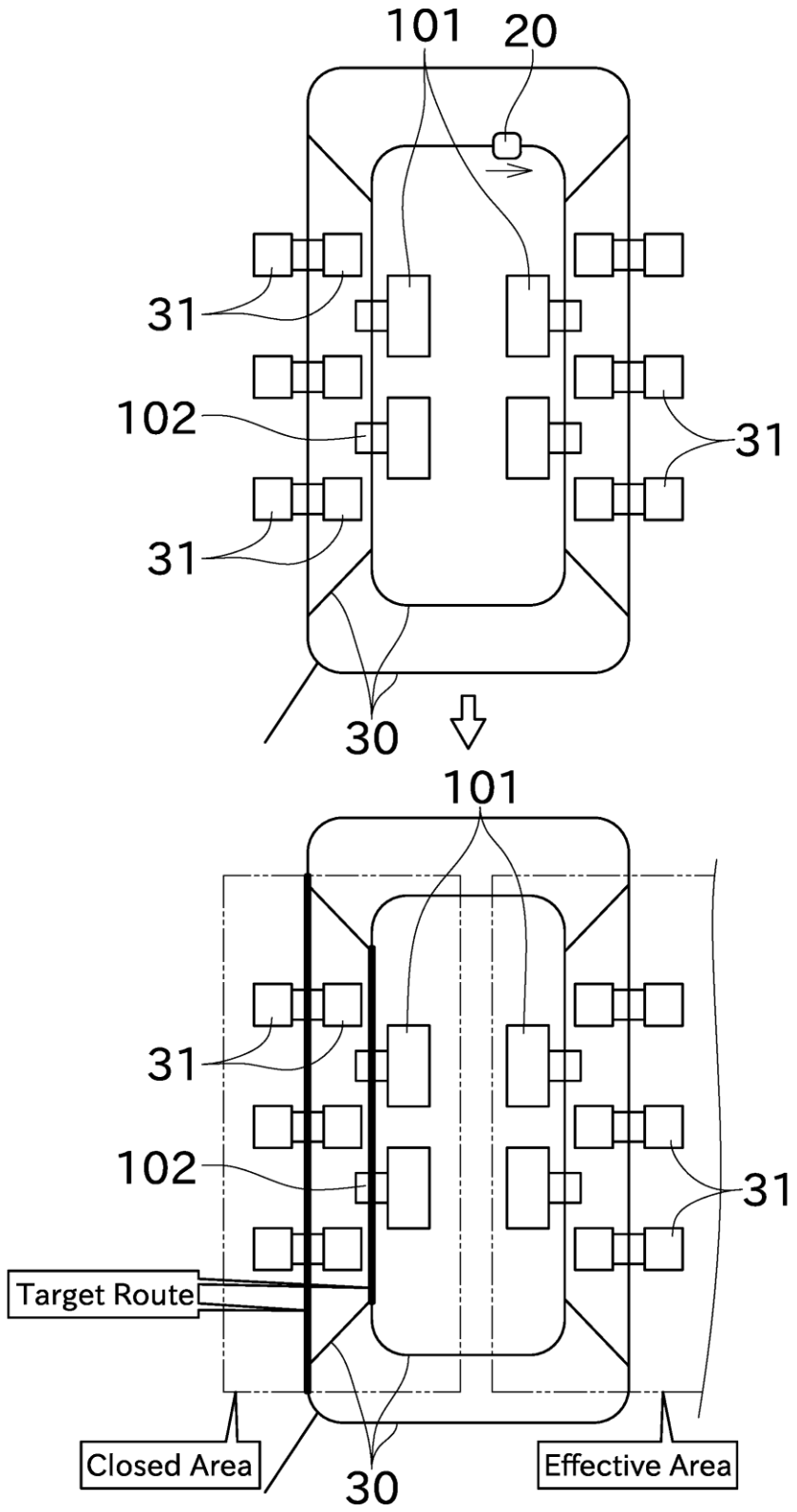

101
20
31
102
31
31
30
101
31
102
31
Target Route
Closed Area
Effective Area
30

FIG. 4

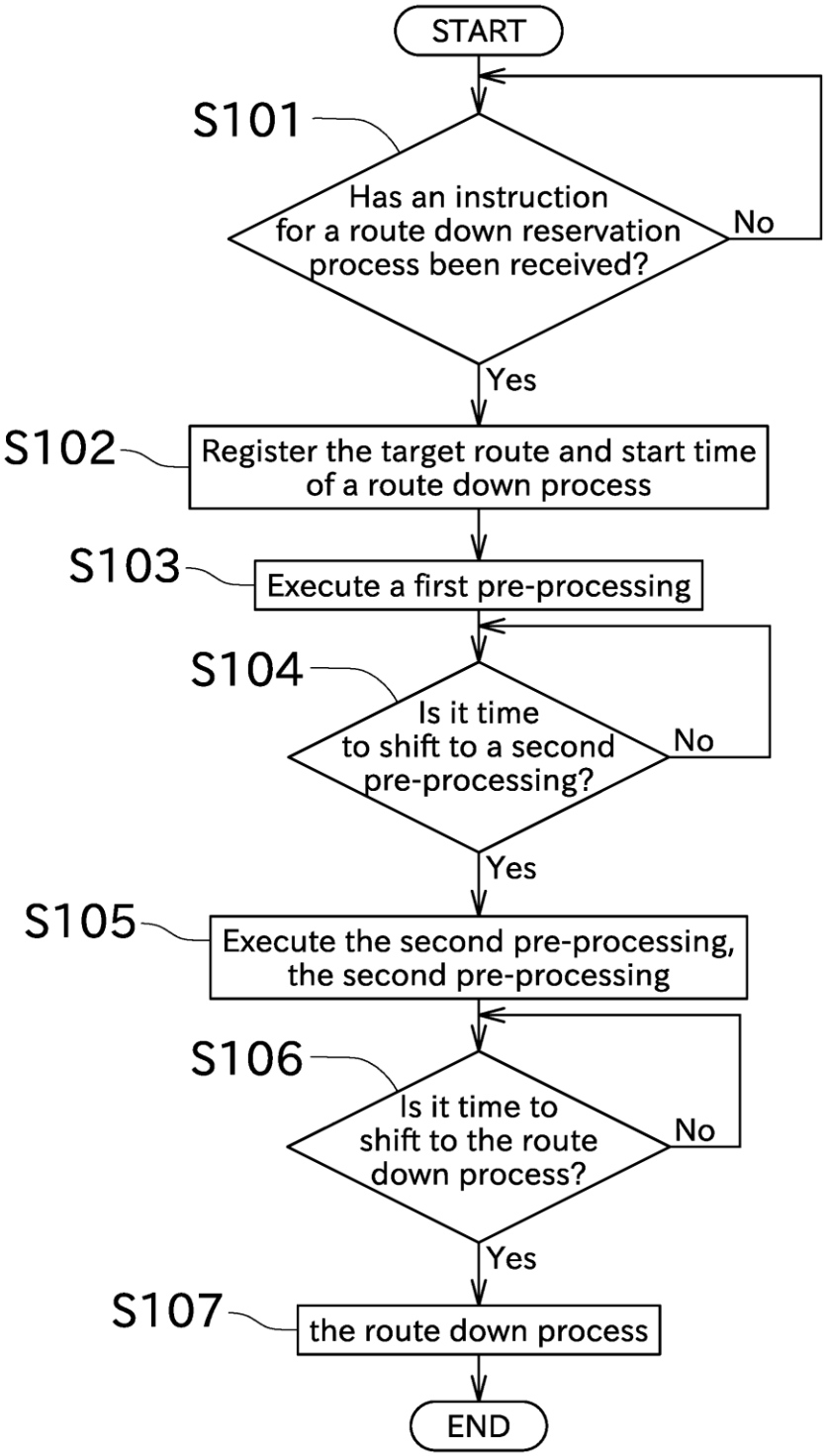

START
S101
Has an instruction for a route down reservation process been received?
No
Yes
S102
Register the target route and start time of a route down process
S103
Execute a first pre-processing
S104
Is it time to shift to a second pre-processing?
No
Yes
S105
Execute the second pre-processing, the second pre-processing
S106
Is it time to shift to the route down process?
No
Yes
S107
the route down process
END

FIG. 5

First Pre-Processing		
1.Route Handling	2.Evacuation of Article	3.Transport Command Handling
・Increase a cost of passing through the target route. ・List the transport vehicles that travel from effective area to the closed area.	・Secure evacuation points for articles (container) in the closed area.	Transport command that is not permitted ・None

⇩

Second Pre-Processing		
1.Route Handling	2.Evacuation of Article	3.Transport Command Handling
・Prohibit travel on the target route in principle. ・Permit travel on the target route only for the transport vehicles listed in the above list.	・Execute evacuation of article in the closed area.	Transport command that is not permitted ・Transport whose destination is the storage position in the closed area (Transport whose destination is the processing position in the closed area is permitted.)

⇩

Route Down Process		
1.Route Handling	2.Evacuation of Article	3.Transport Command Handling
・Prohibit travel on target route (without exception).		Transport command that is not permitted ・Transport whose starting point or destination is closed position