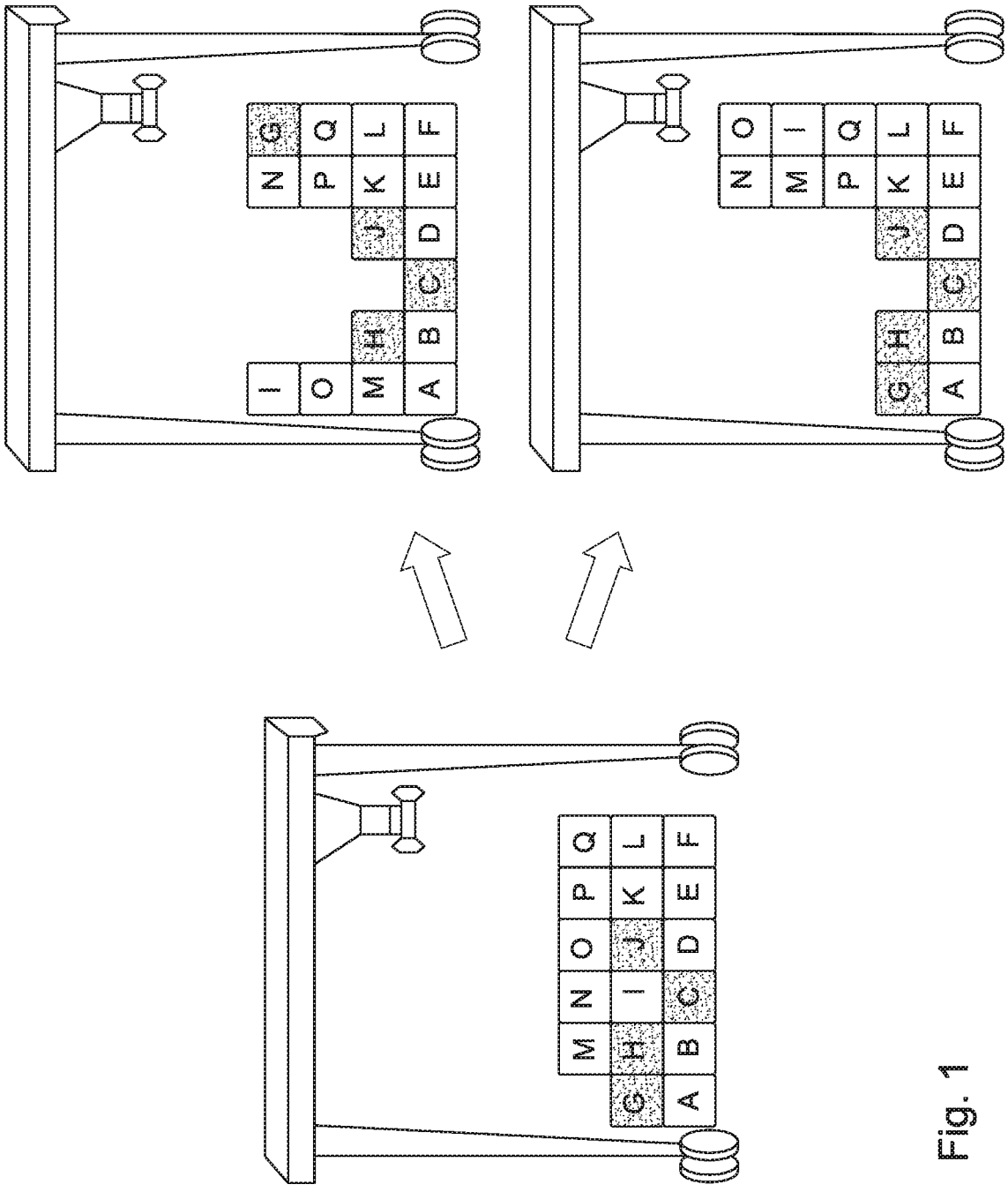

G Q L F
N P K E
J D
C
H B
I O M A
O I Q L F
N M P K E
J D
C
G H B
A
M N O P Q
G H I K L
A B C D E F

Fig. 1

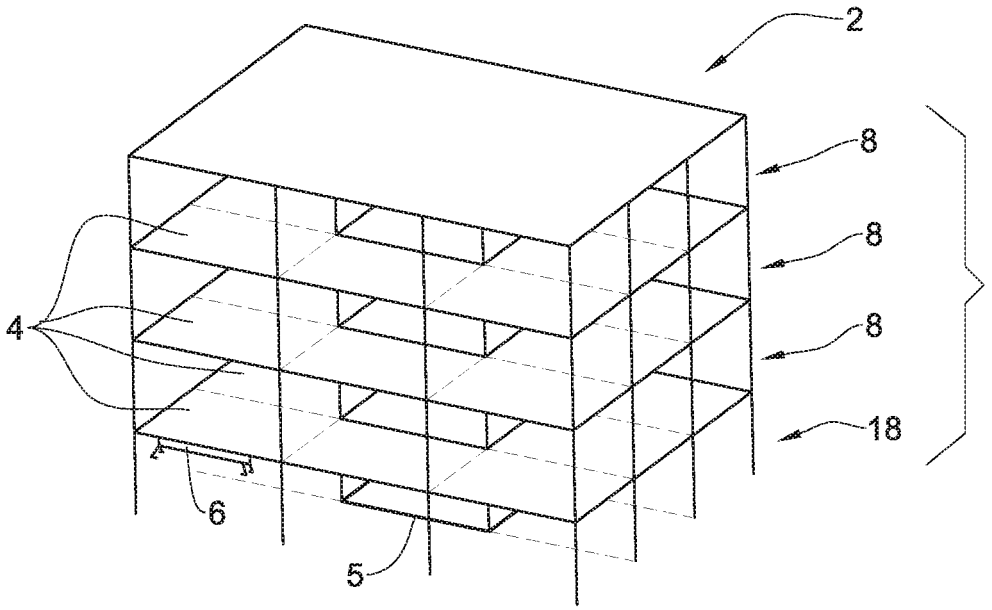


Fig. 2

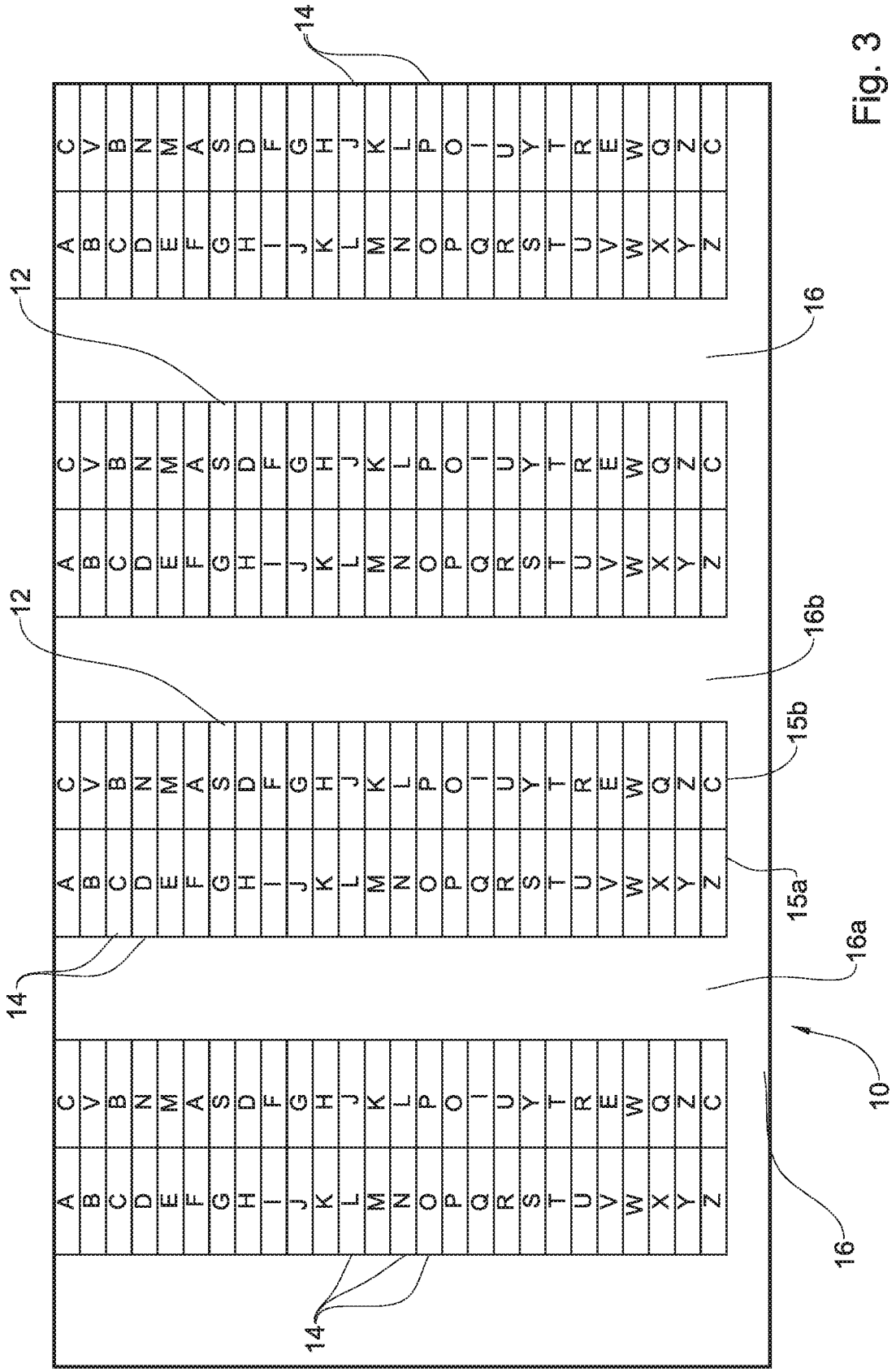


Fig. 3

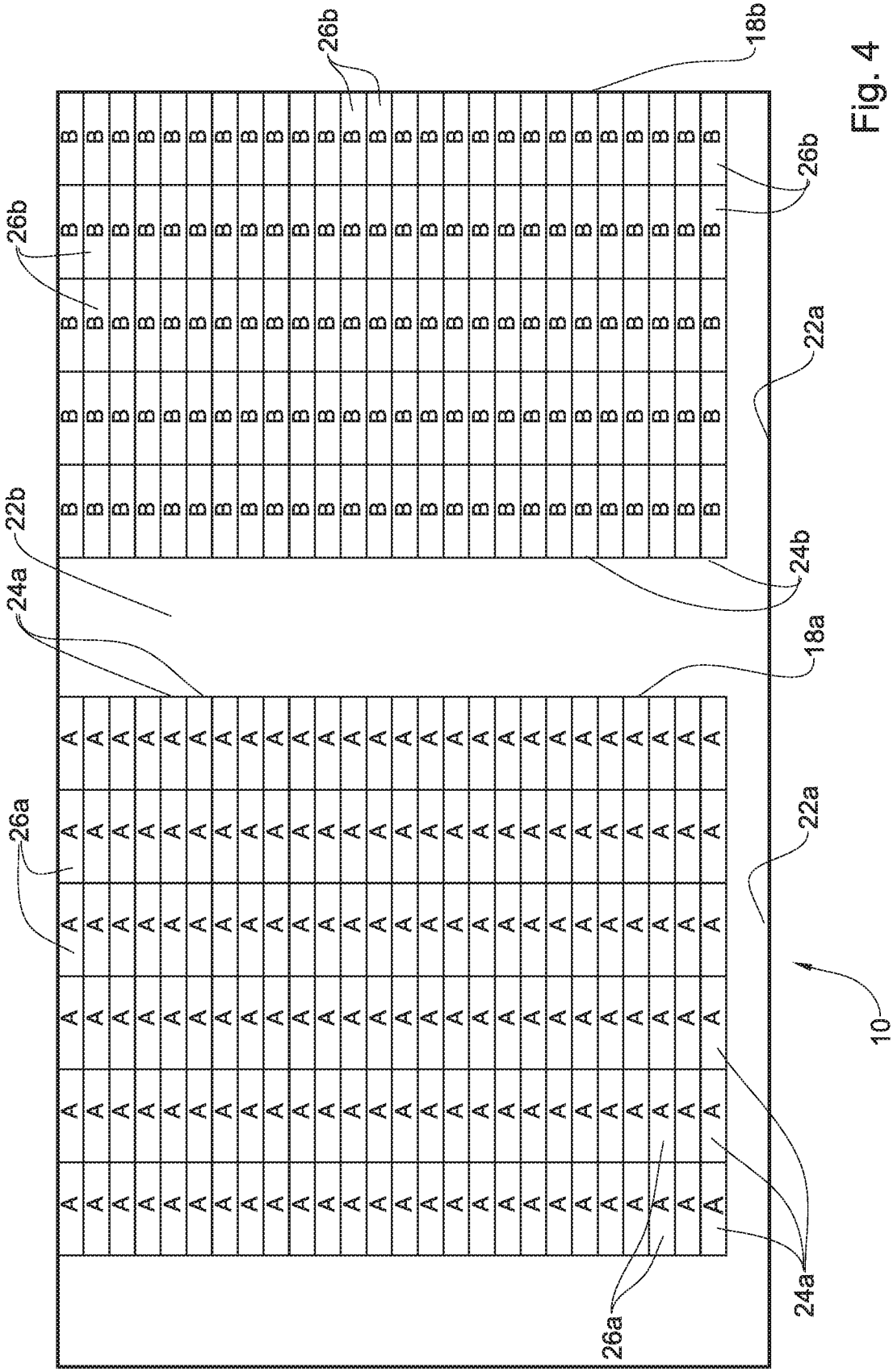


Fig. 4

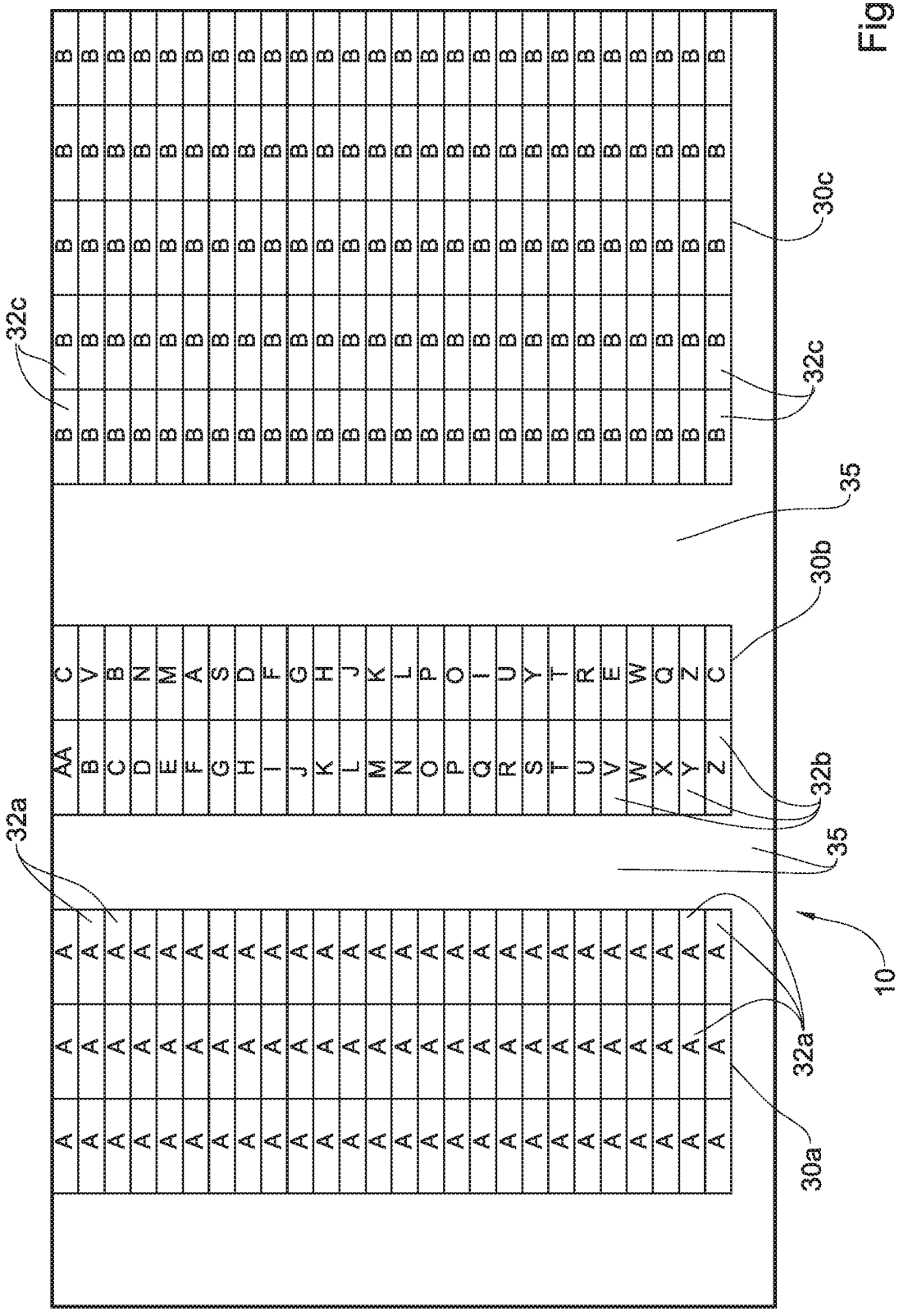


Fig. 5

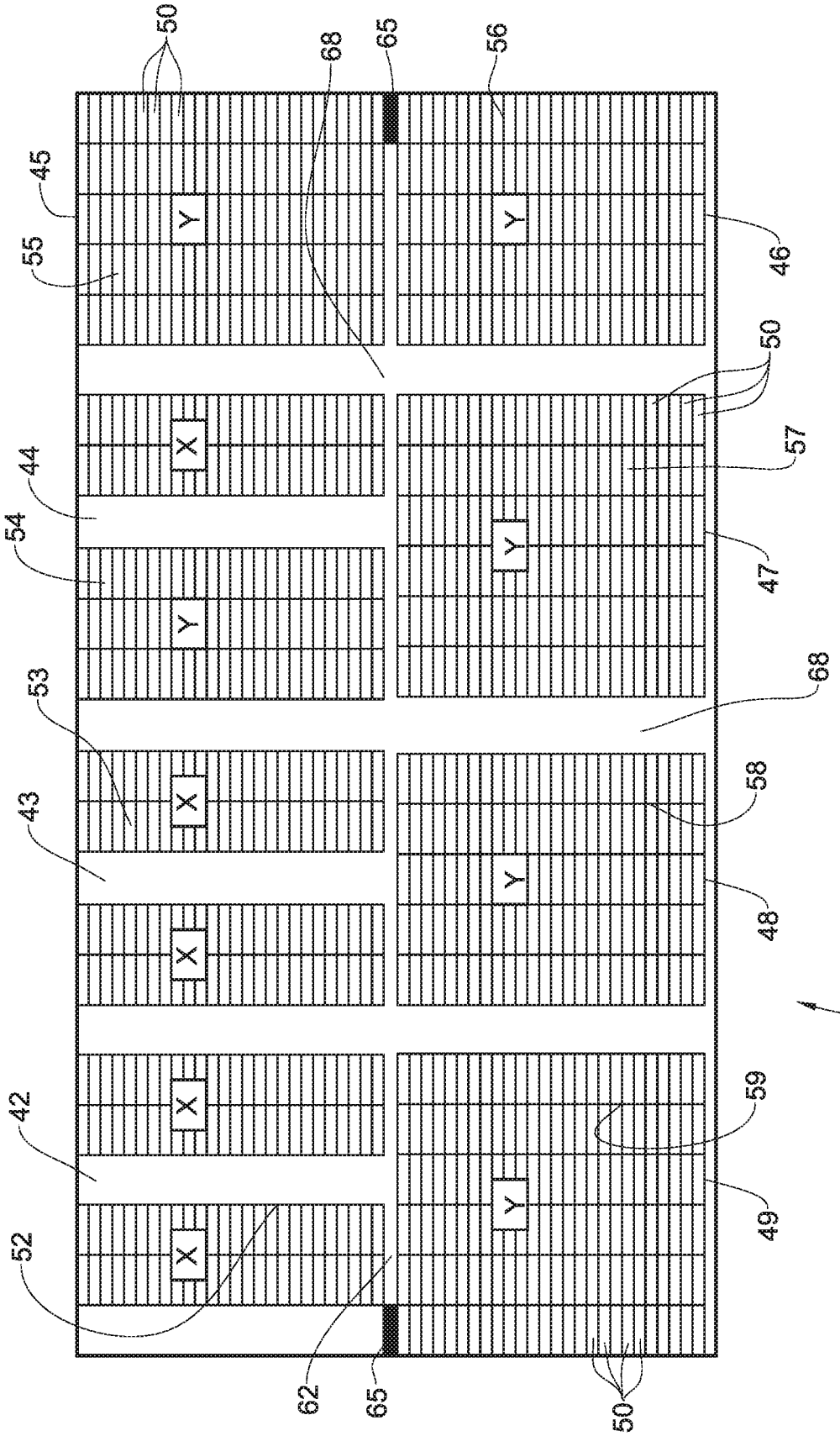


Fig. 6A

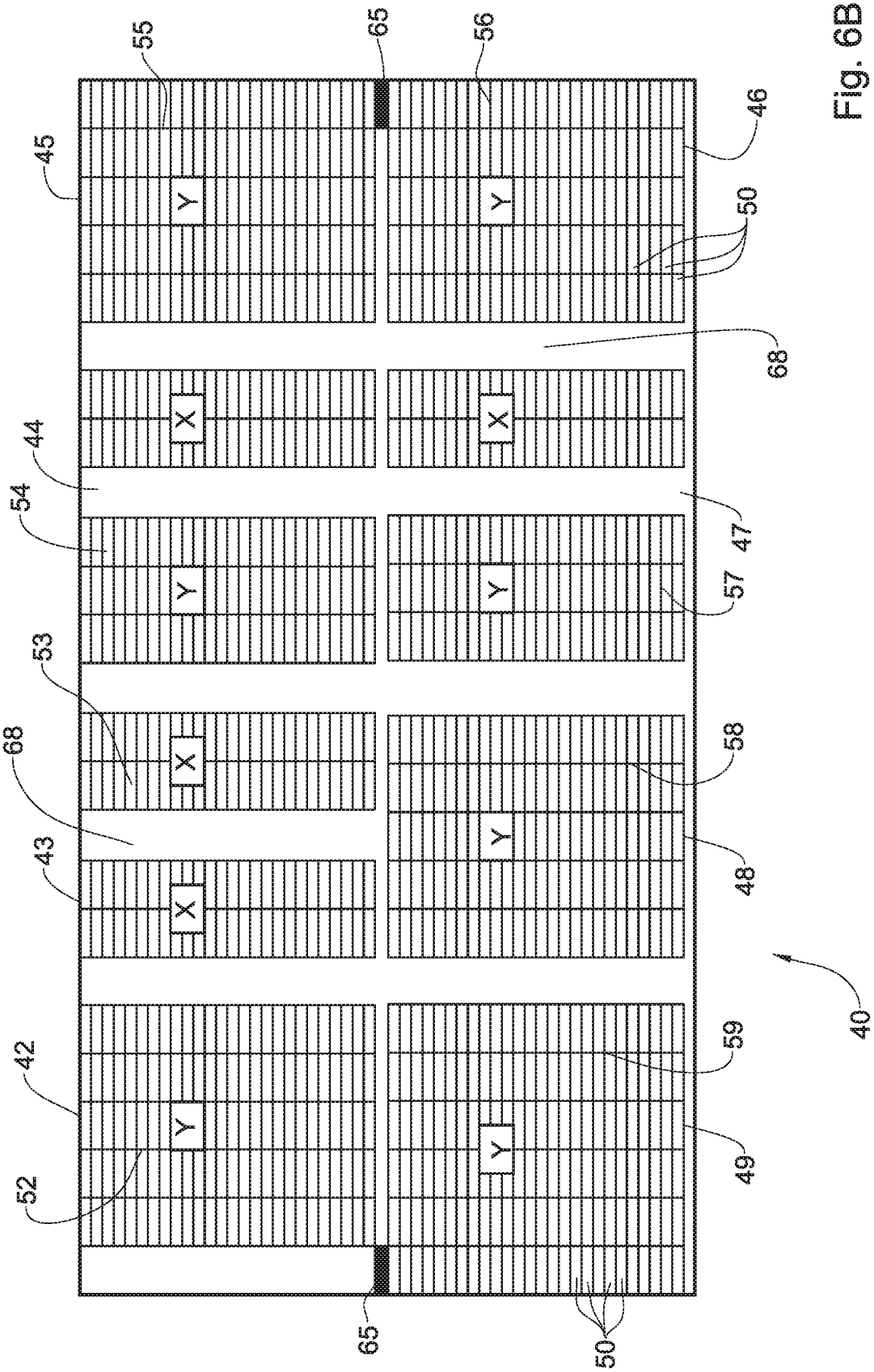

55
65
56
46
45
Y
Y
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54
47
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50

Fig. 6B

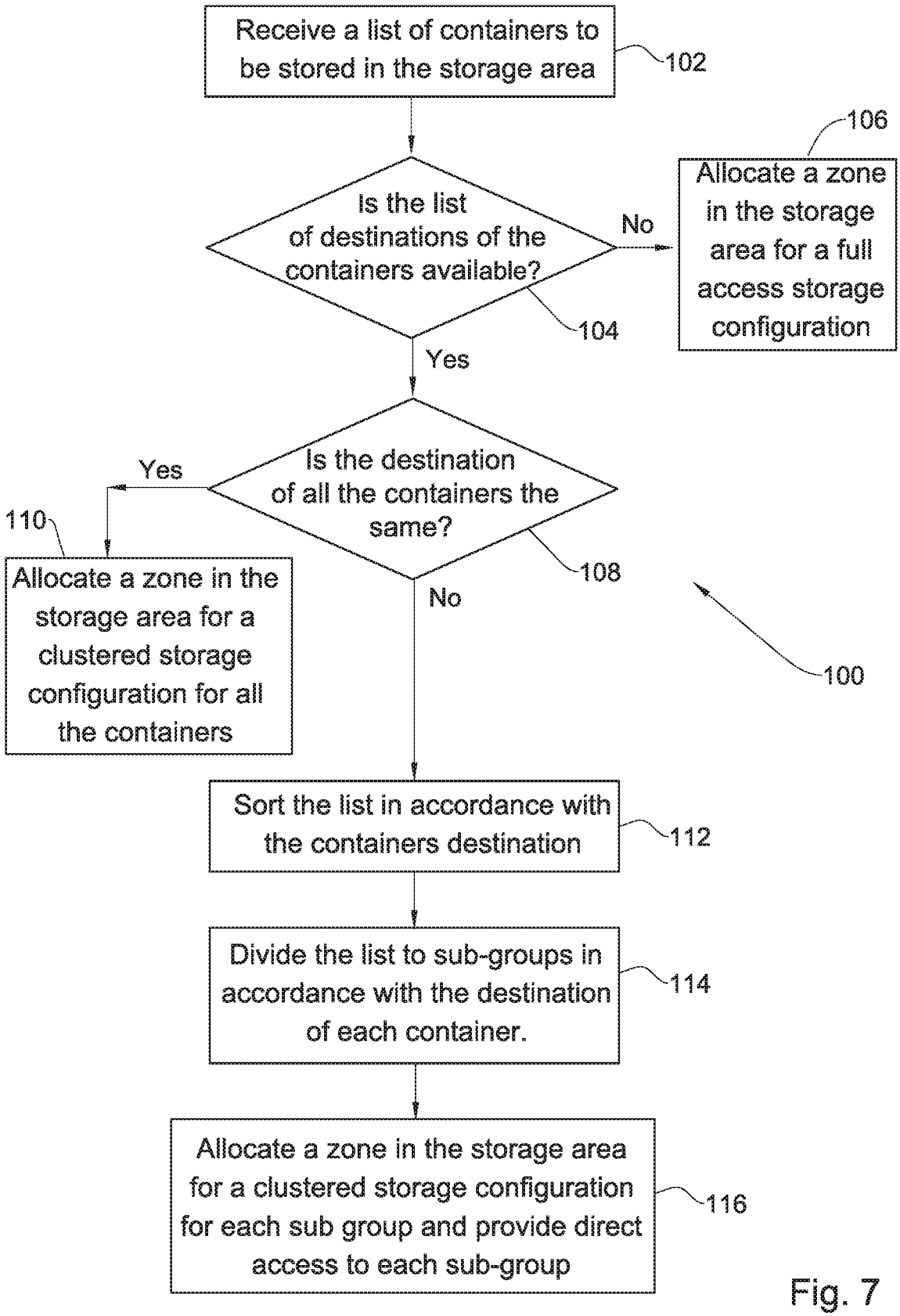

Receive a list of containers to be stored in the storage area
102
Is the list of destinations of the containers available?
No
104
Yes
106
Allocate a zone in the storage area for a full access storage configuration
Is the destination of all the containers the same?
Yes
108
No
110
Allocate a zone in the storage area for a clustered storage configuration for all the containers
100
Sort the list in accordance with the containers destination
112
Divide the list to sub-groups in accordance with the destination of each container.
114
Allocate a zone in the storage area for a clustered storage configuration for each sub group and provide direct access to each sub-group
116

Fig. 7

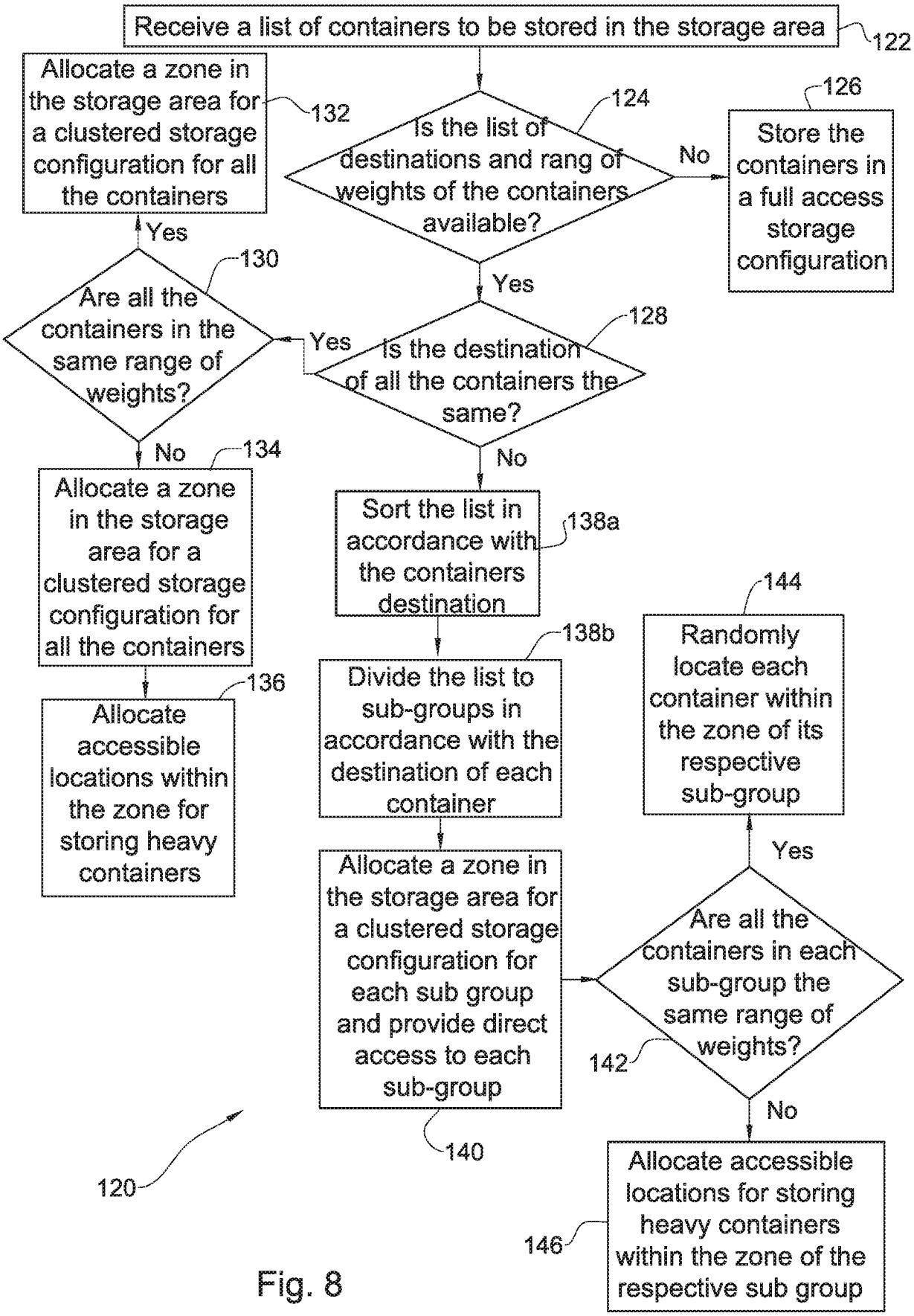

Receive a list of containers to be stored in the storage area
122
Is the list of destinations and rang of weights of the containers available?
124
No
Store the containers in a full access storage configuration
126
Yes
Is the destination of all the containers the same?
128
Yes
Are all the containers in the same range of weights?
130
Yes
Allocate a zone in the storage area for a clustered storage configuration for all the containers
132
No
Sort the list in accordance with the containers destination
138a
Divide the list to sub-groups in accordance with the destination of each container
138b
Allocate a zone in the storage area for a clustered storage configuration for each sub group and provide direct access to each sub-group
140
Are all the containers in each sub-group the same range of weights?
142
No
Allocate accessible locations for storing heavy containers within the zone of the respective sub group
146
Yes
Randomly locate each container within the zone of its respective sub-group
144
No
Allocate a zone in the storage area for a clustered storage configuration for all the containers
134
Allocate accessible locations within the zone for storing heavy containers
136
120

Fig. 8