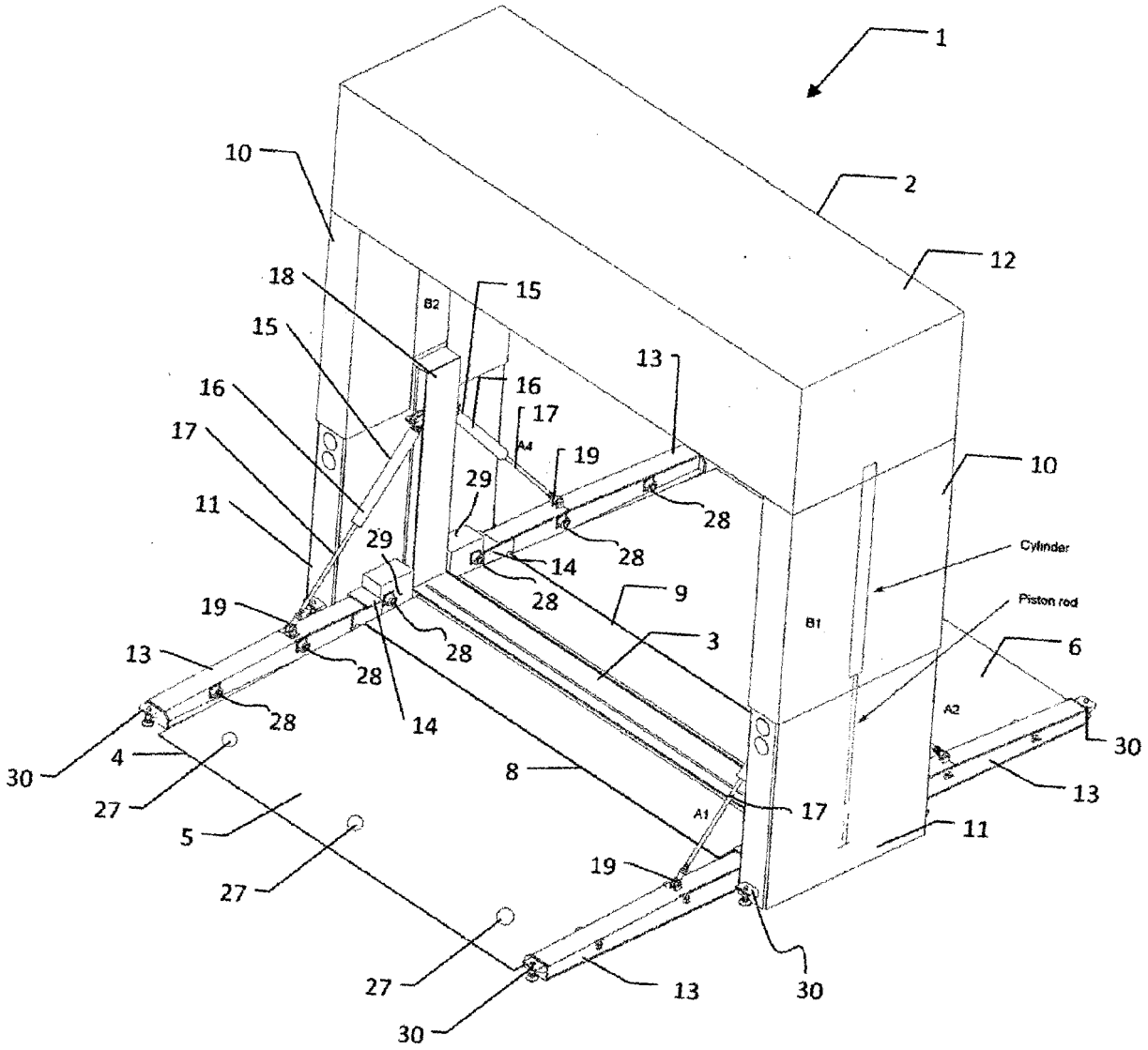

1
10
2
12
18
15
B2
15
13
16
16
17
17
A4
19
11
29
10
29
28
28
Cylinder
14
28
9
19
Piston rod
B1
28
3
13
6
28
28
A2
14
30
30
4
8
13
27
17
A1
5
11
19
27
27
13
30
30

FIG. 1A

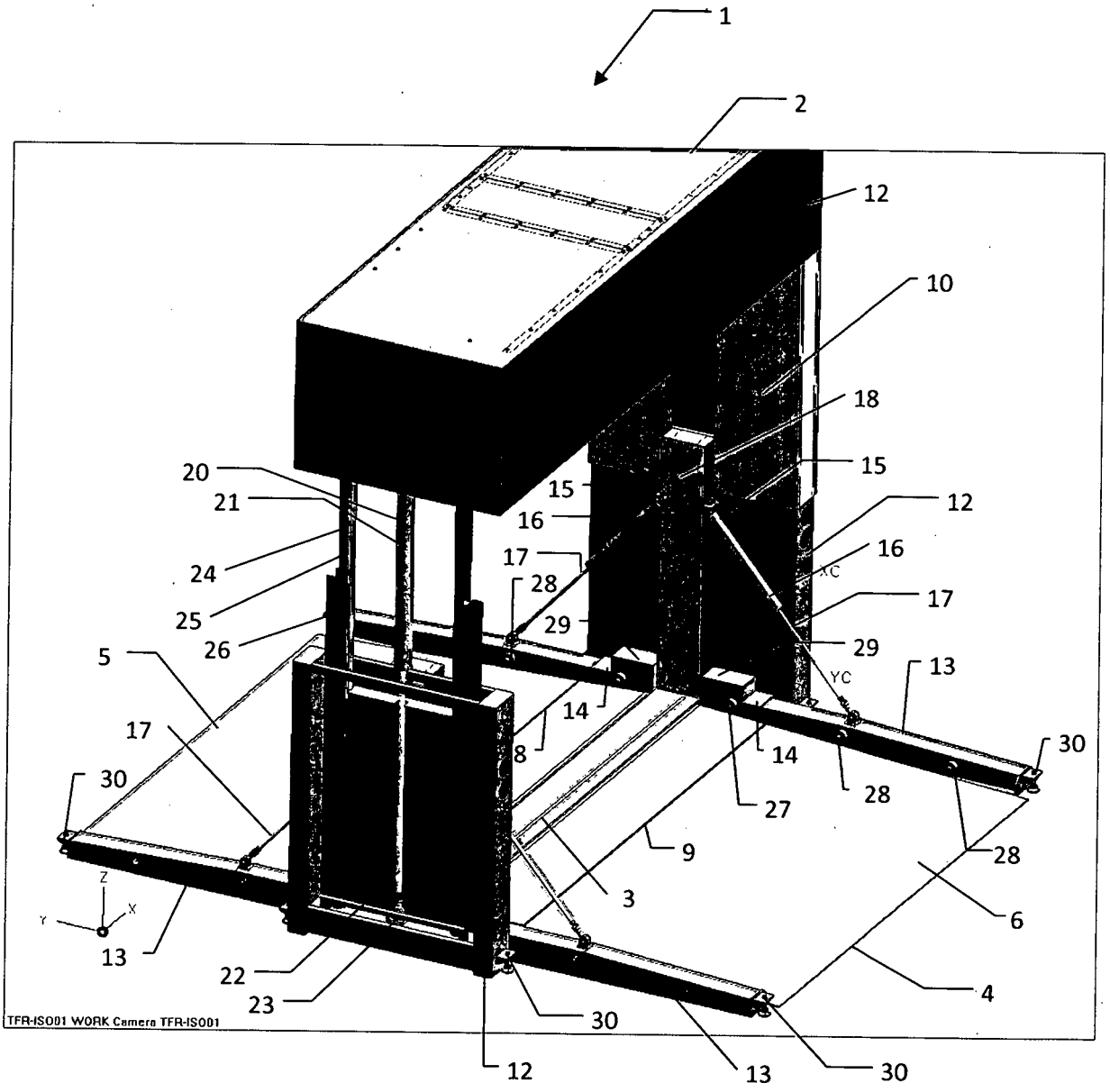

1
2
12
10
18
15
20
21
15
16
12
24
17
16
XC
28
25
29
17
26
29
5
YC
13
14
17
8
14
30
30
27
28
9
28
3
6
Z
Y
X
13
22
4
23
30
12
13
30
TFR-ISO01 WORK Camera TFR-ISO01

FIG. 1B

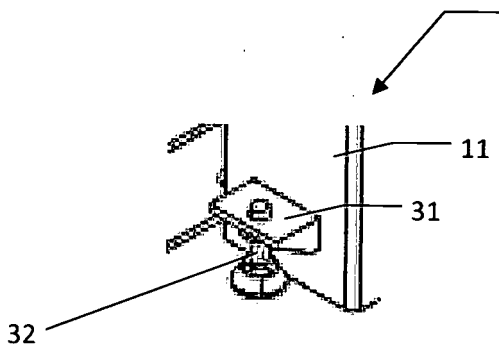

30
11
31
32

FIG. 2

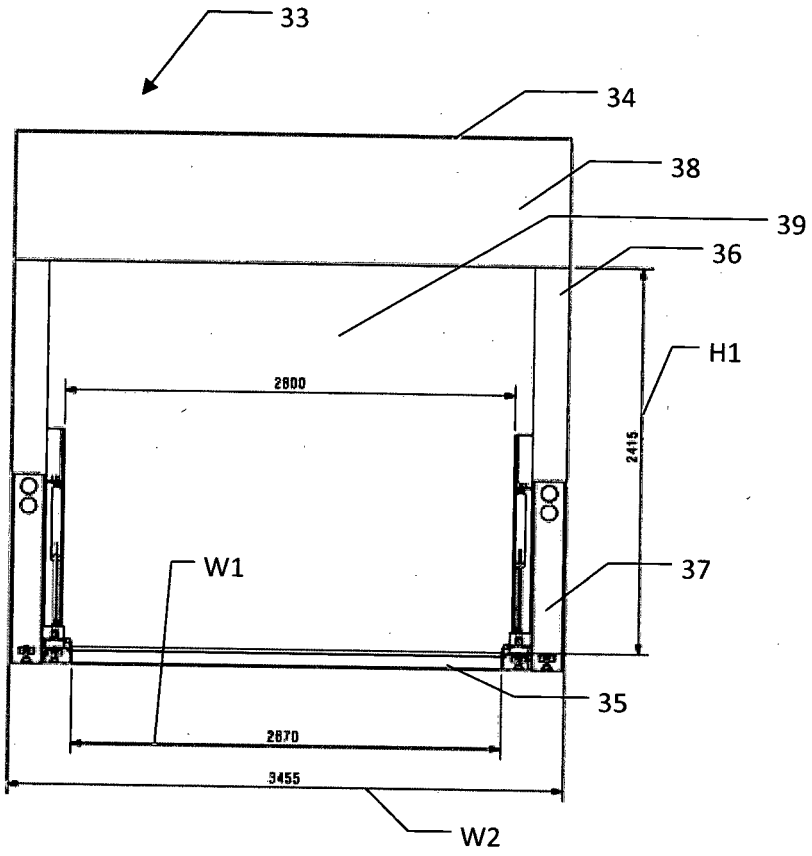


FIG. 3A

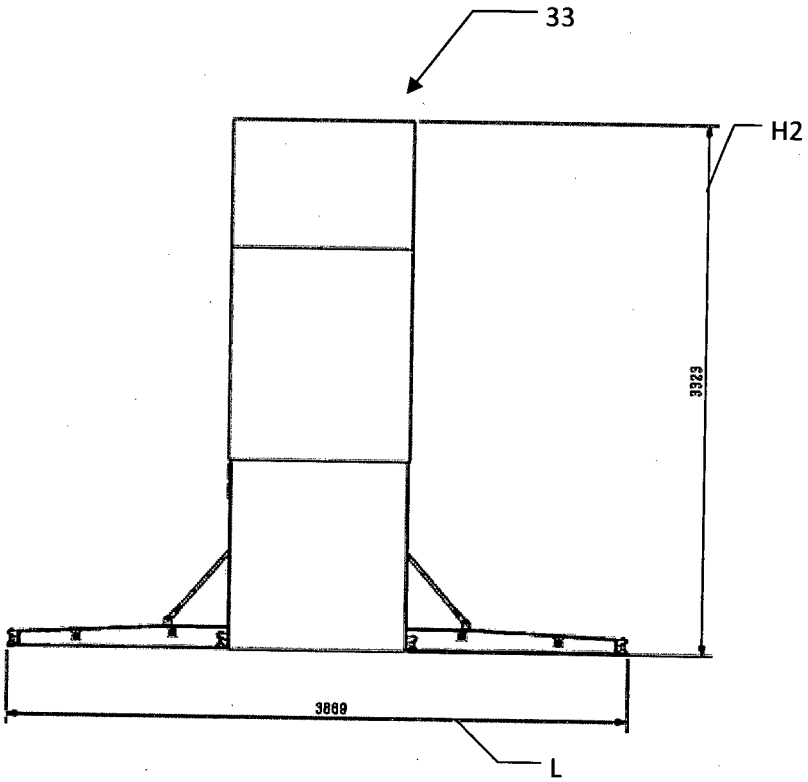


FIG. 3B

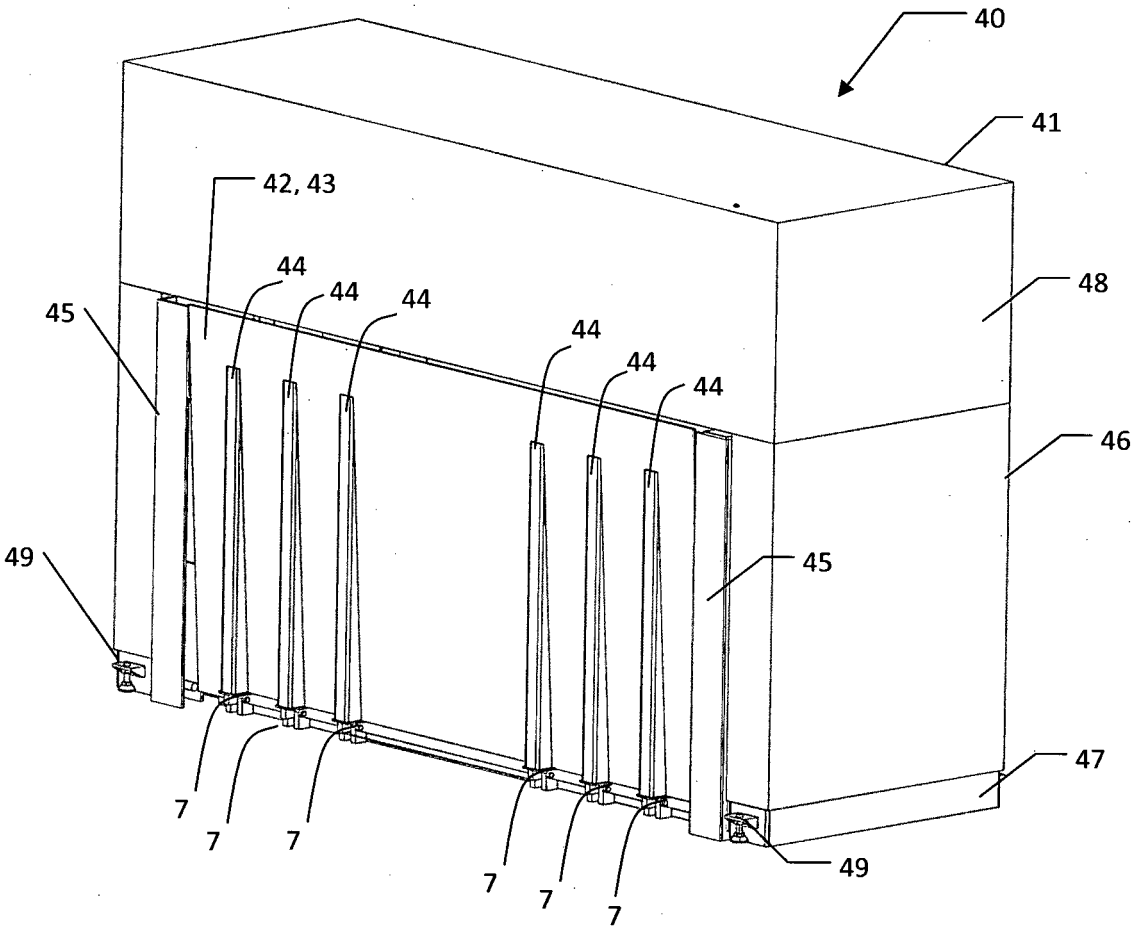


FIG. 4

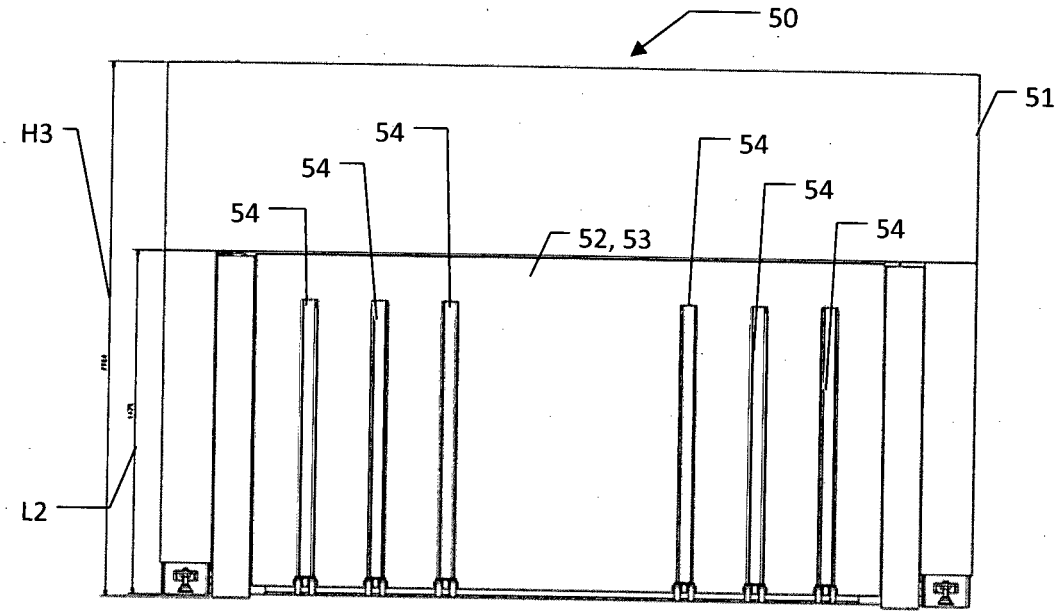


FIG. 5A

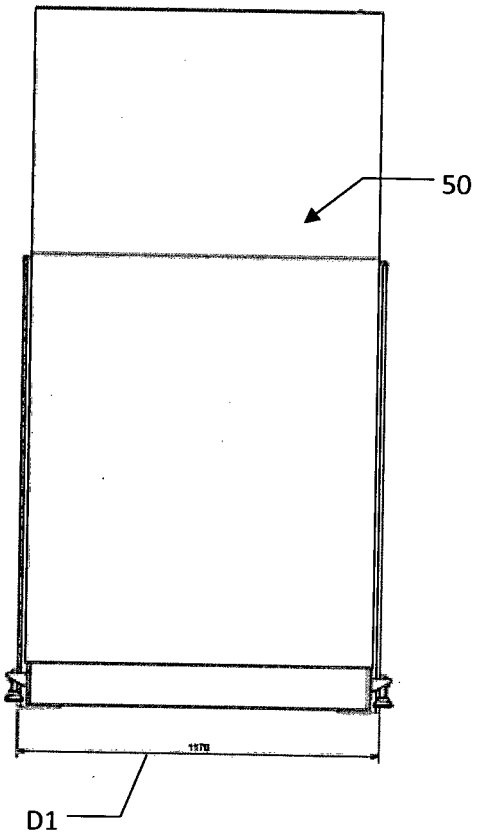


FIG. 5B

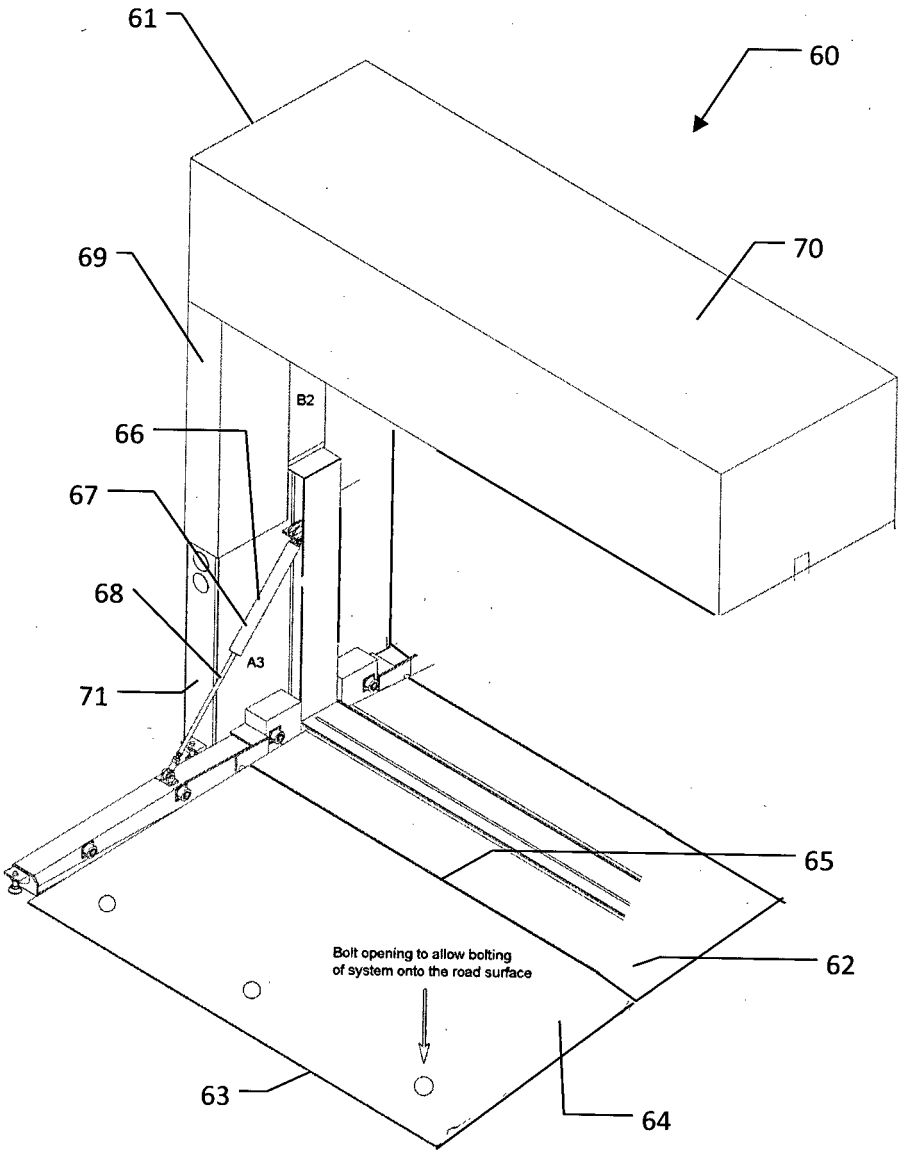

61
60
69
70
B2
66
67
68
A3
71
65
62
Bolt opening to allow bolting
of system onto the road surface
63
64

FIG. 6

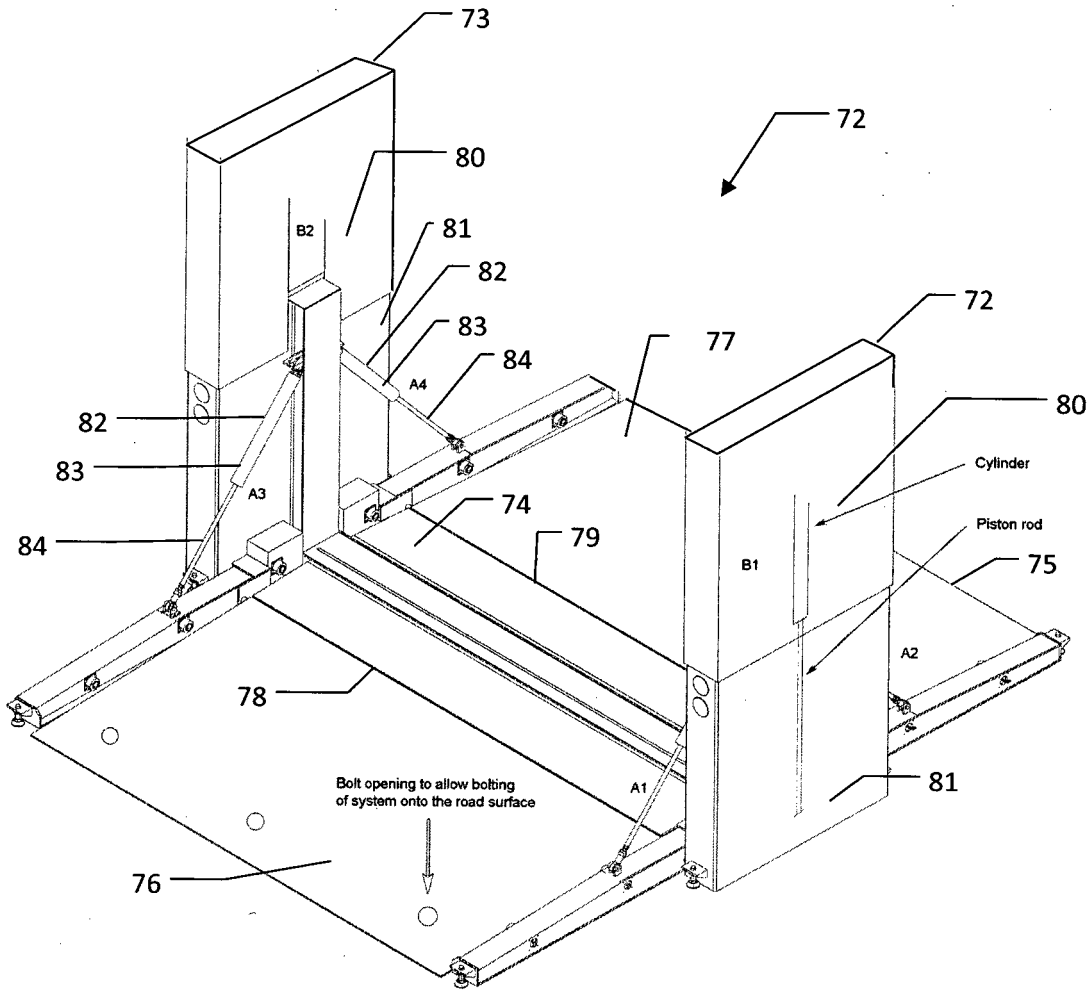

73
72
80
B2
81
82
83
84
A4
77
72
82
80
83
A3
Cylinder
74
79
84
Piston rod
B1
75
A2
78
Bolt opening to allow bolting
of system onto the road surface
A1
81
76

FIG. 7

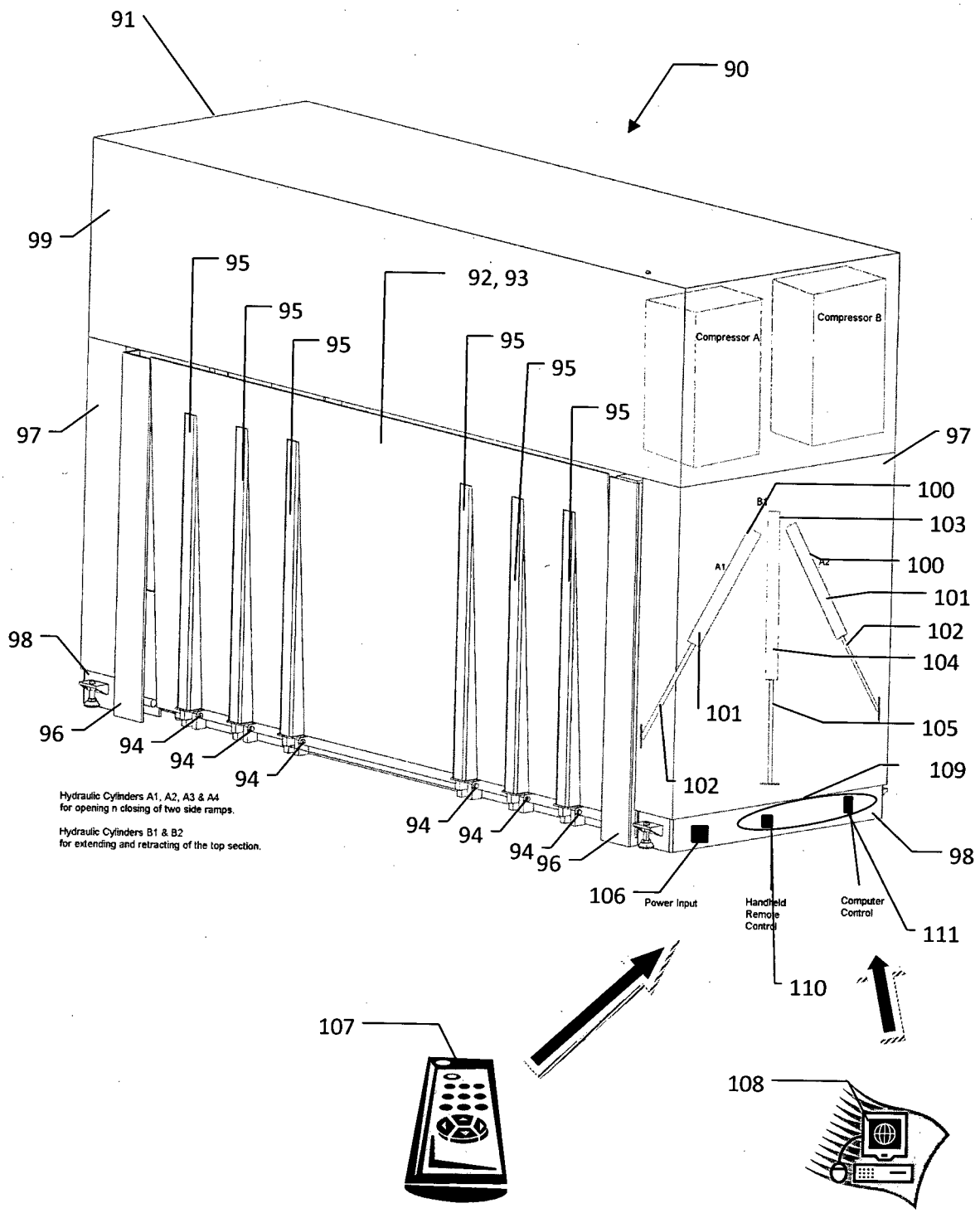

91
90
99
95
95
92, 93
95
95
95
95
97
97
Compressor A
Compressor B
100
103
100
101
102
104
105
109
98
96
94
94
94
94
94
94
96
98
101
102
Hydraulic Cylinders A1, A2, A3 & A4
for opening n closing of two side ramps.
Hydraulic Cylinders B1 & B2
for extending and retracting of the top section.
106
Power Input
Handheld
Remote
Control
Computer
Control
111
110
107
108

FIG. 8

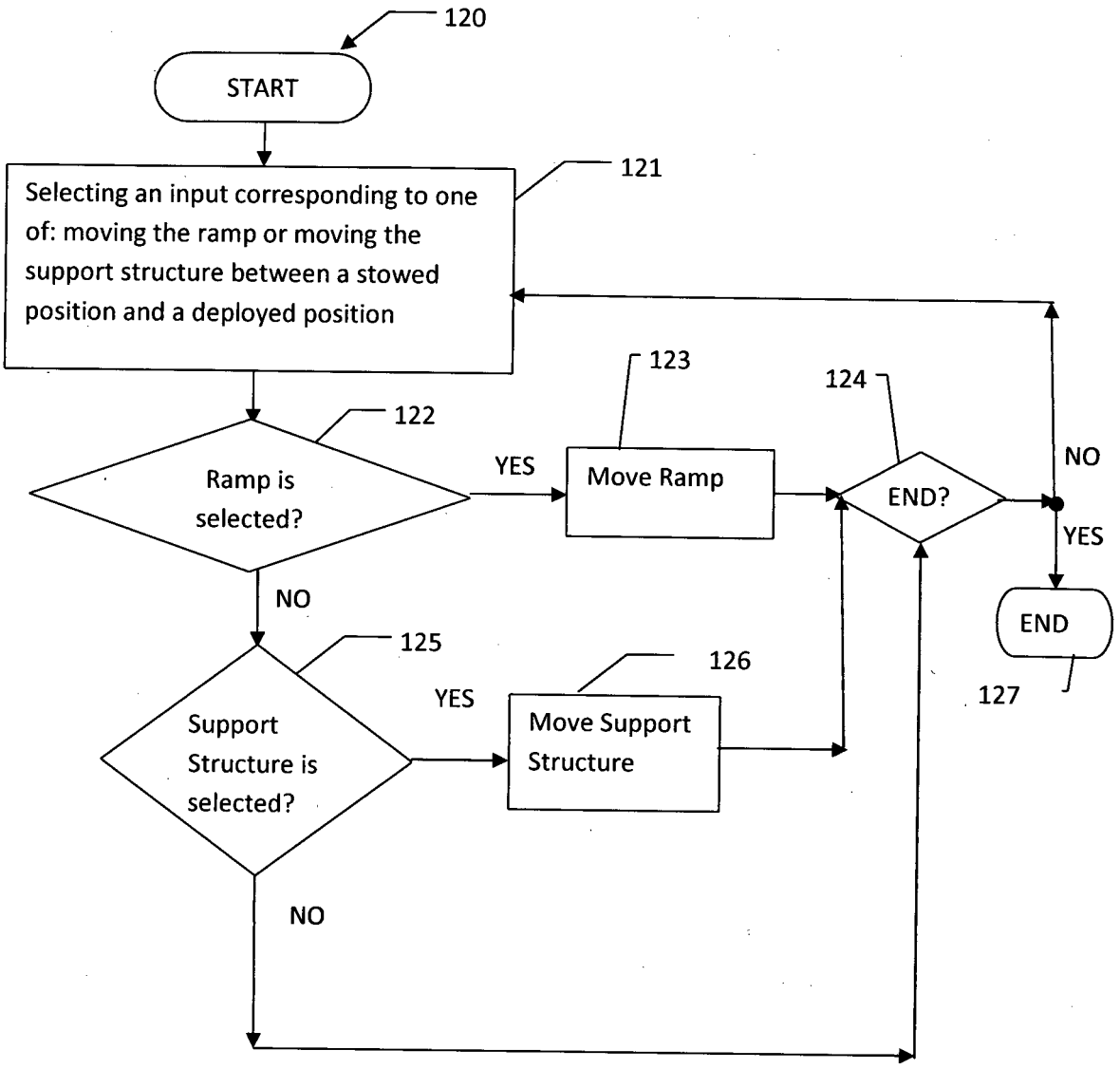

120
START
121
Selecting an input corresponding to one of: moving the ramp or moving the support structure between a stowed position and a deployed position
122
Ramp is selected?
YES
123
Move Ramp
124
END?
NO
YES
END
127
NO
125
Support Structure is selected?
YES
126
Move Support Structure
NO

FIG. 9

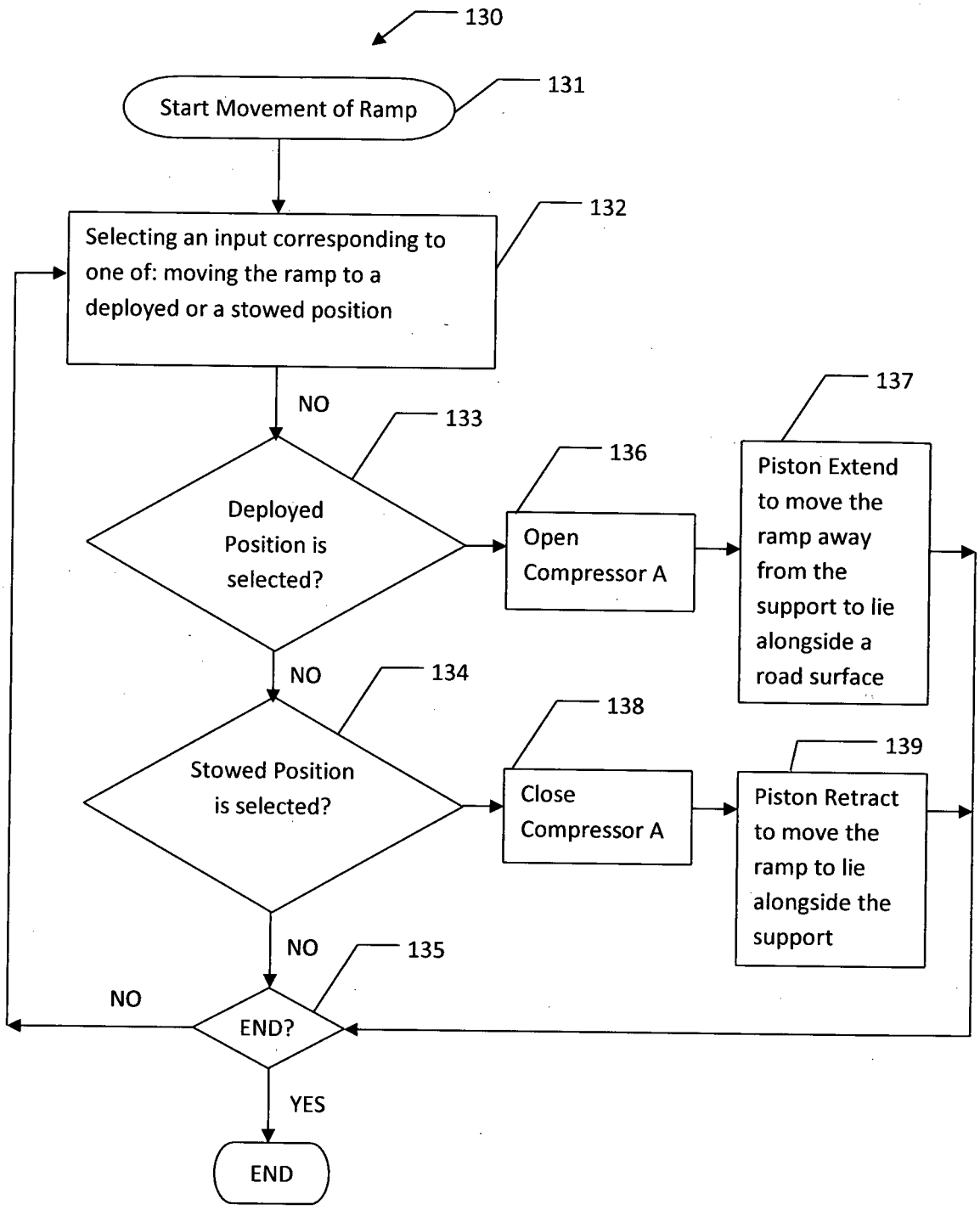

130
Start Movement of Ramp
131
Selecting an input corresponding to one of: moving the ramp to a deployed or a stowed position
132
NO
133
Deployed Position is selected?
136
Open Compressor A
137
Piston Extend to move the ramp away from the support to lie alongside a road surface
NO
134
Stowed Position is selected?
138
Close Compressor A
139
Piston Retract to move the ramp to lie alongside the support
NO
135
NO
END?
YES
END

FIG. 10

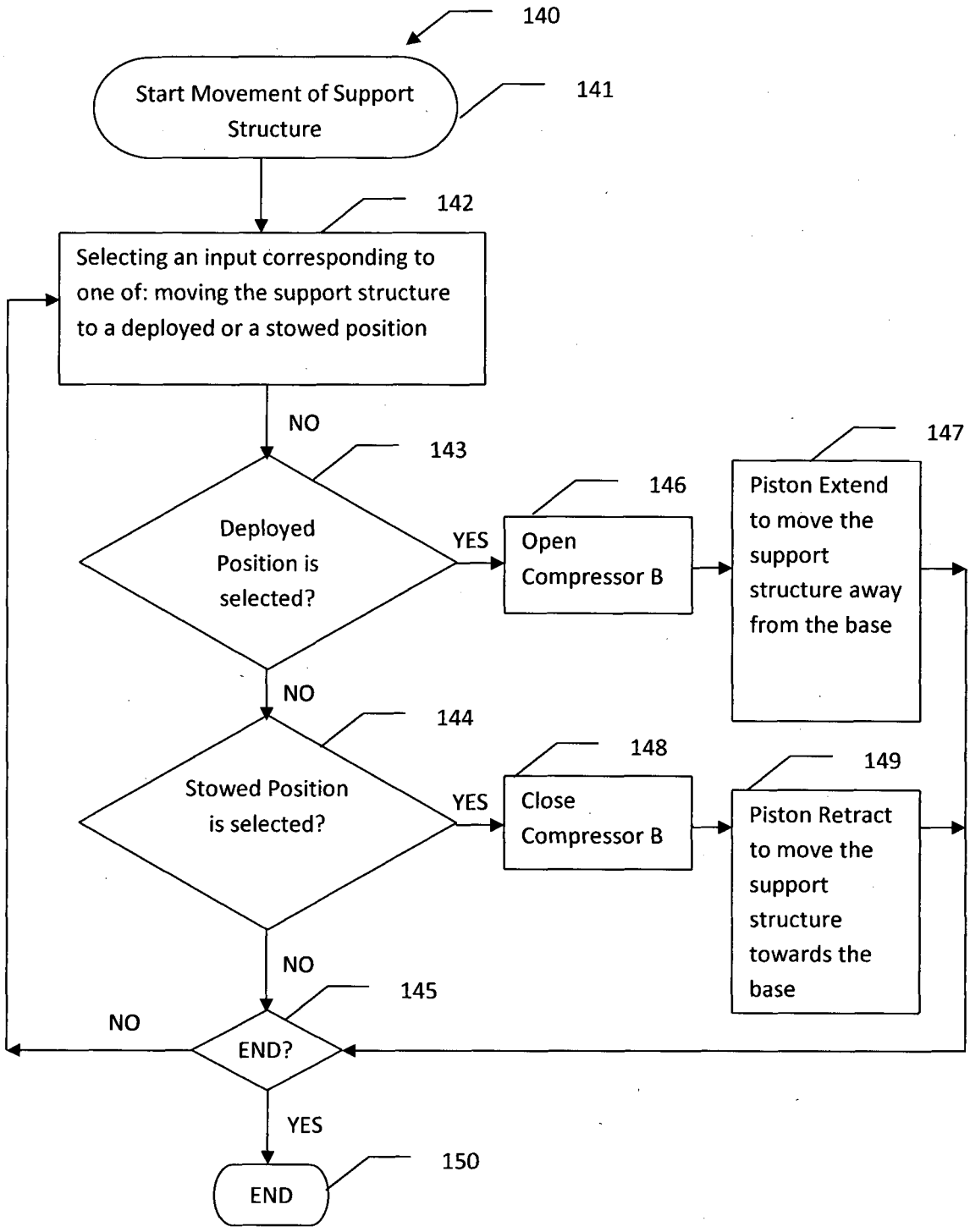

140
Start Movement of Support Structure
141
142
Selecting an input corresponding to one of: moving the support structure to a deployed or a stowed position
NO
143
Deployed Position is selected?
YES
146
Open Compressor B
147
Piston Extend to move the support structure away from the base
NO
144
Stowed Position is selected?
YES
148
Close Compressor B
149
Piston Retract to move the support structure towards the base
NO
145
END?
NO
YES
150
END

FIG. 11

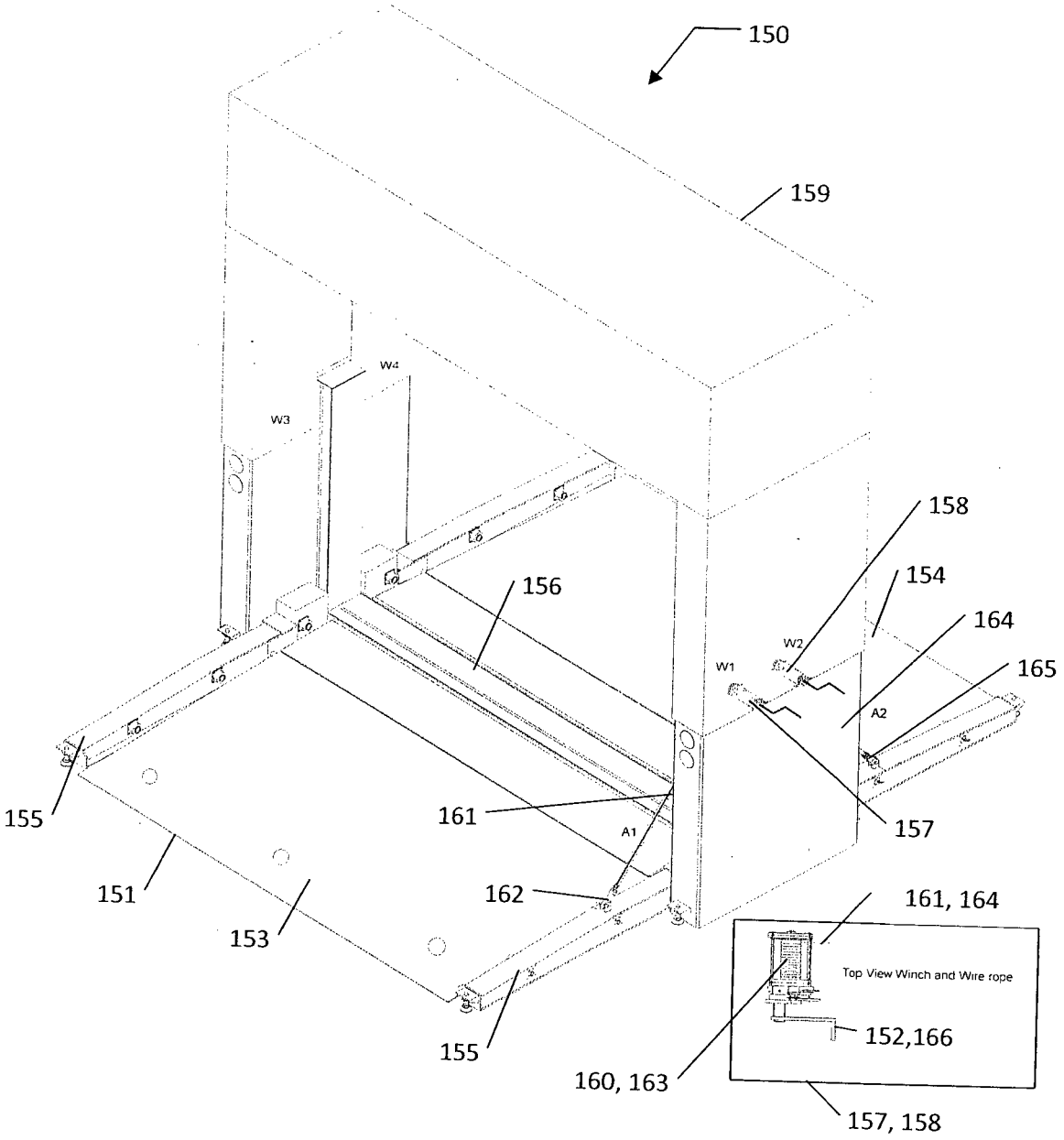

150
159
W4
W3
158
154
156
164
W2
W1
165
A2
155
161
157
A1
151
162
161, 164
153
Top View Winch and Wire rope
152,166
155
160, 163
157, 158

FIG. 12

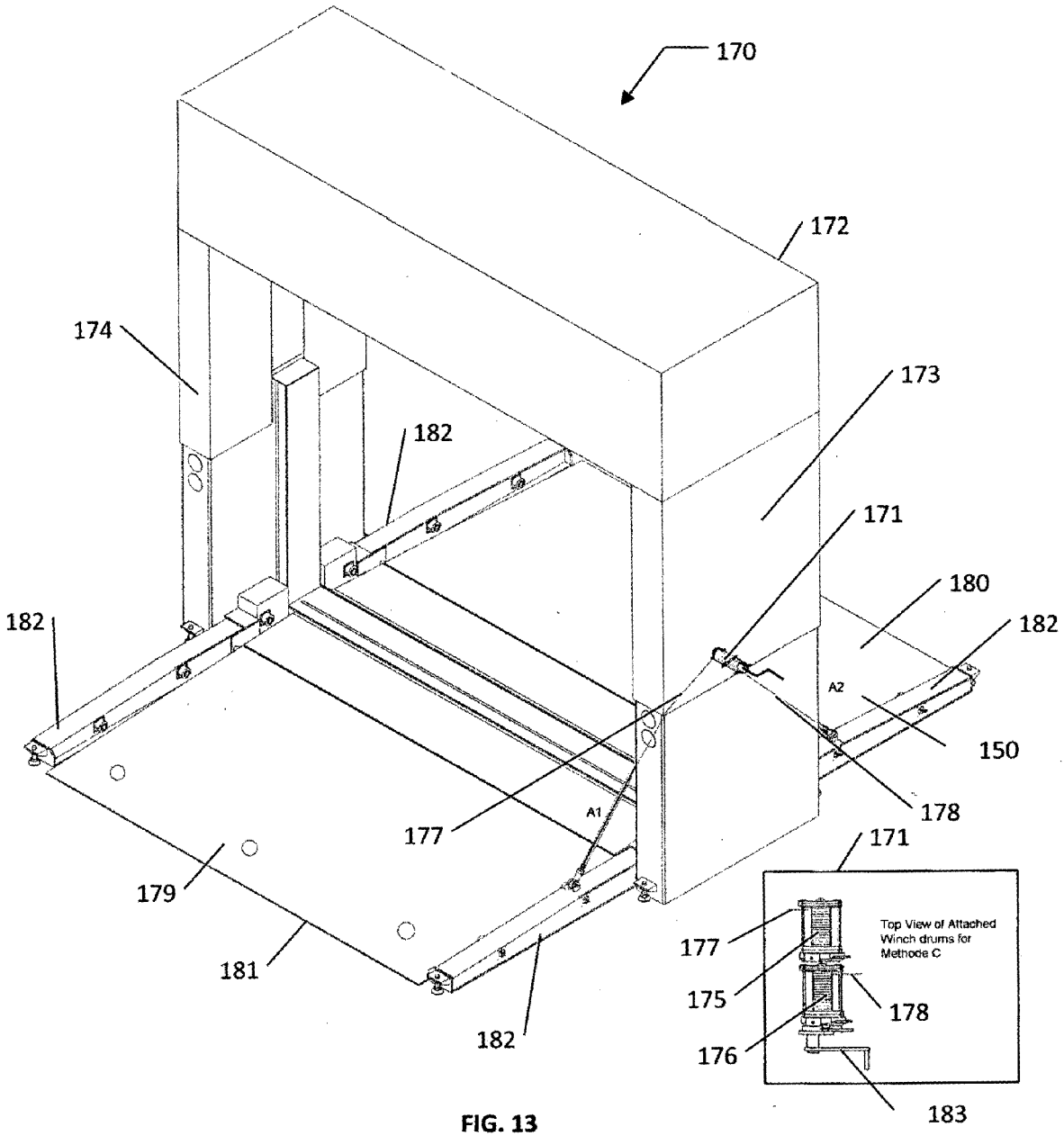

170
172
174
173
182
171
180
182
182
A2
150
178
177
A1
171
179
177
175
178
176
181
182
183
Top View of Attached Winch drums for Methode C

FIG. 13

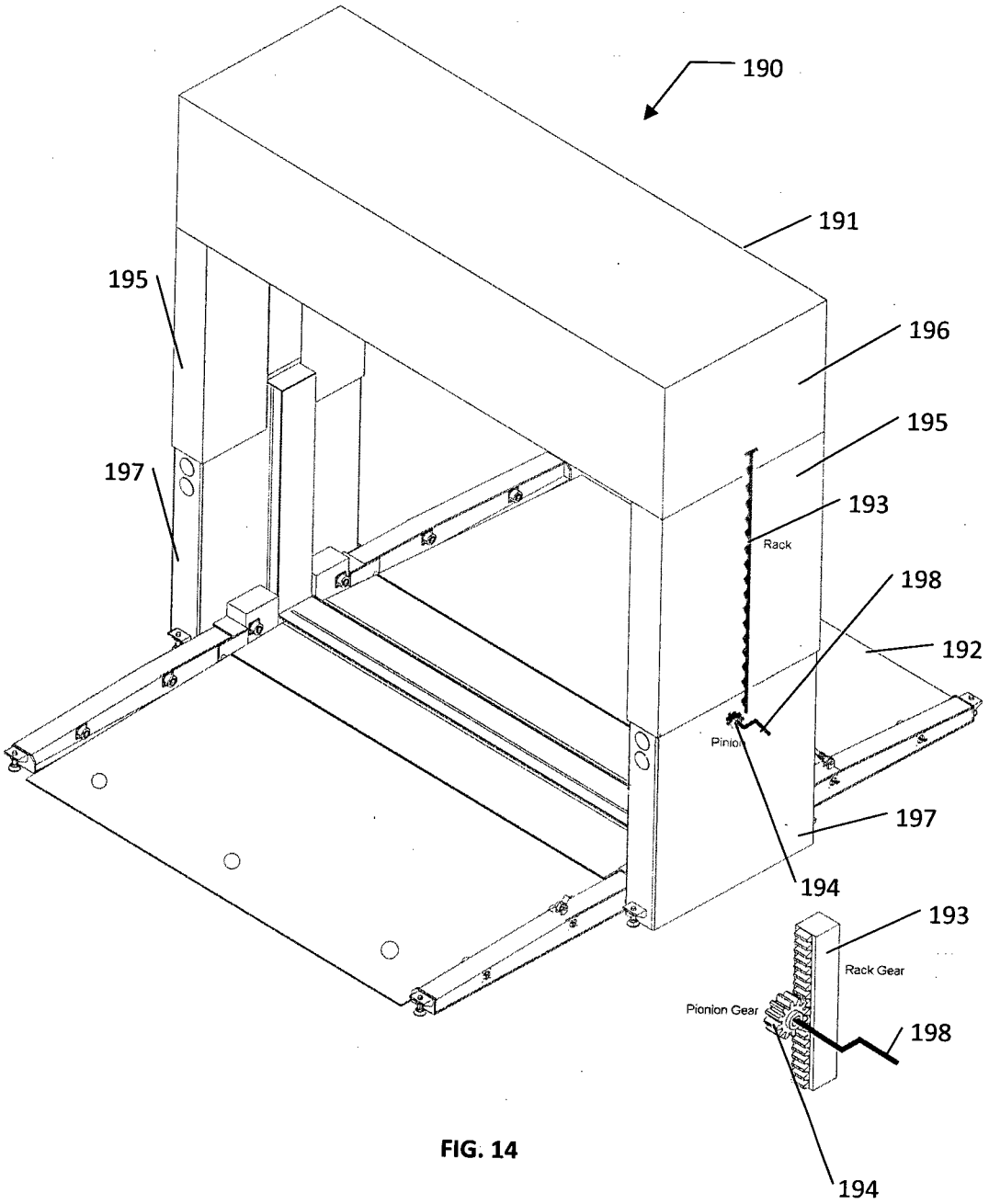

190
191
195
196
195
197
193
Rack
198
192
197
194
193
Rack Gear
Pionion Gear
198
194

FIG. 14

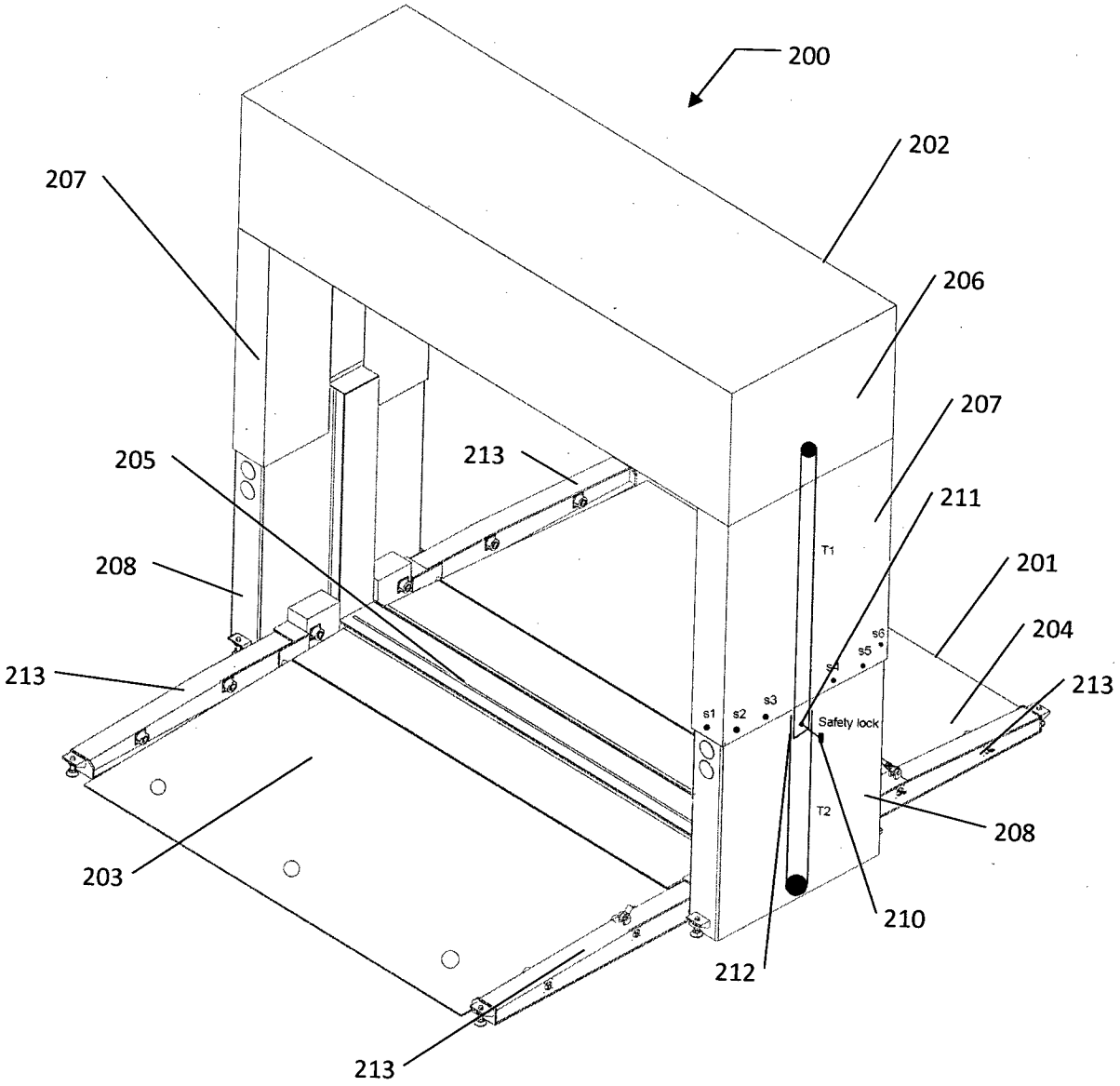

200
202
207
206
207
205
213
211
208
T1
201
204
s6
s5
s4
213
s1
s2
s3
Safety lock
T2
208
203
210
212
213

FIG. 15

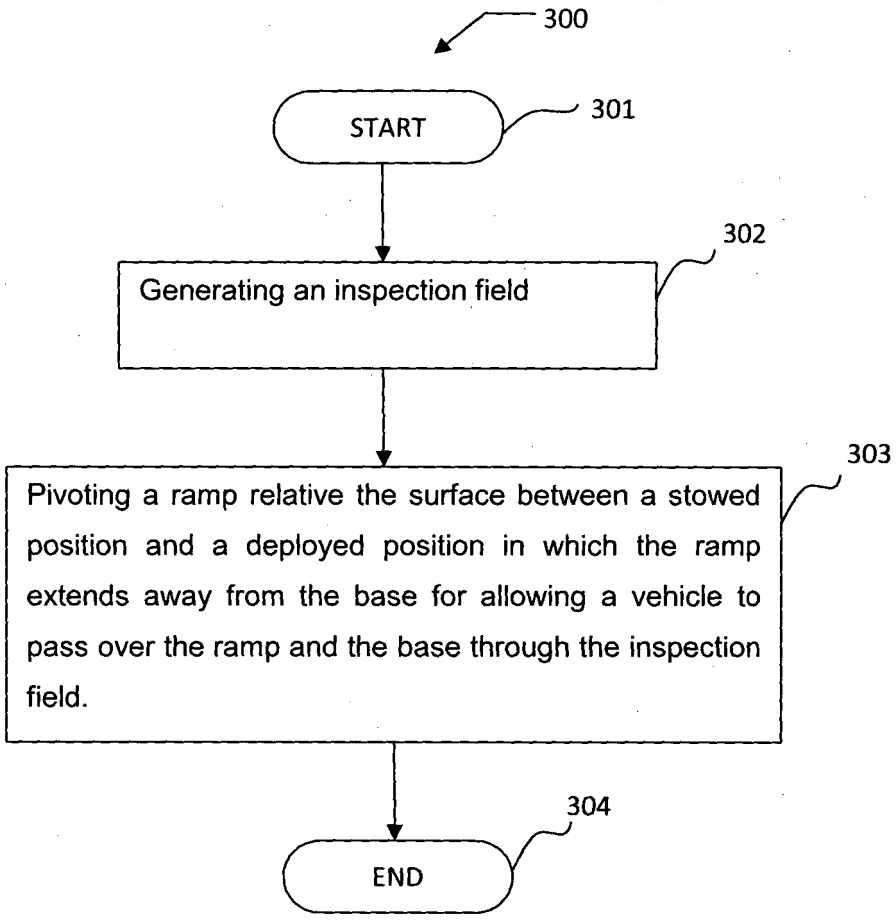

300
START
301
302
Generating an inspection field
303
Pivoting a ramp relative the surface between a stowed position and a deployed position in which the ramp extends away from the base for allowing a vehicle to pass over the ramp and the base through the inspection field.
304
END

FIG. 16