FIG. 1

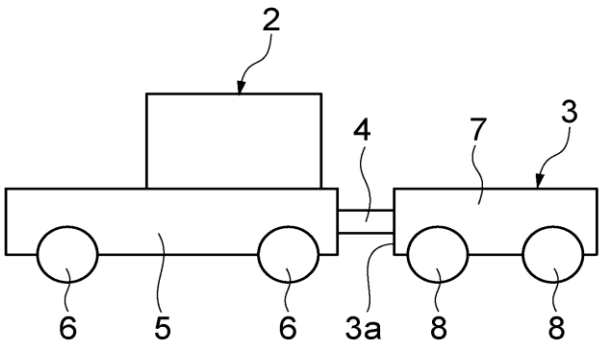


FIG. 2

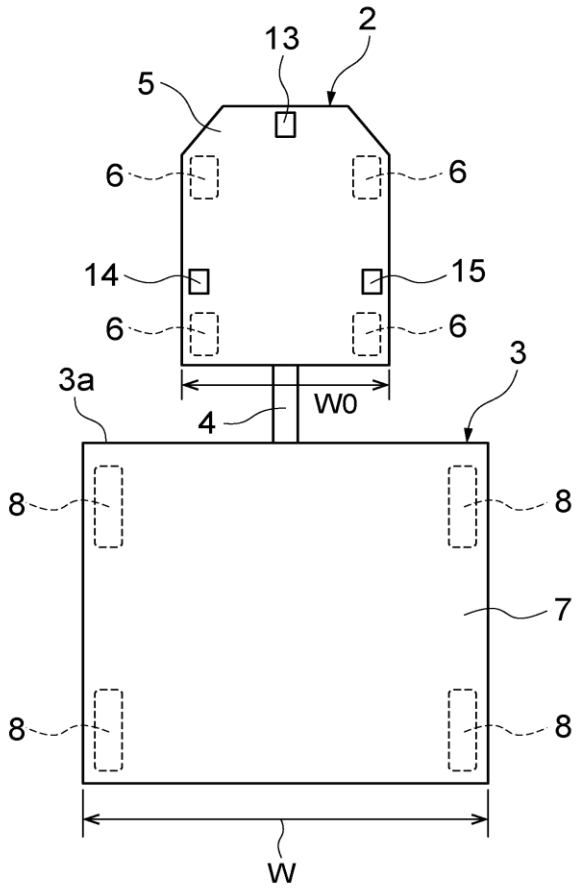


FIG. 3

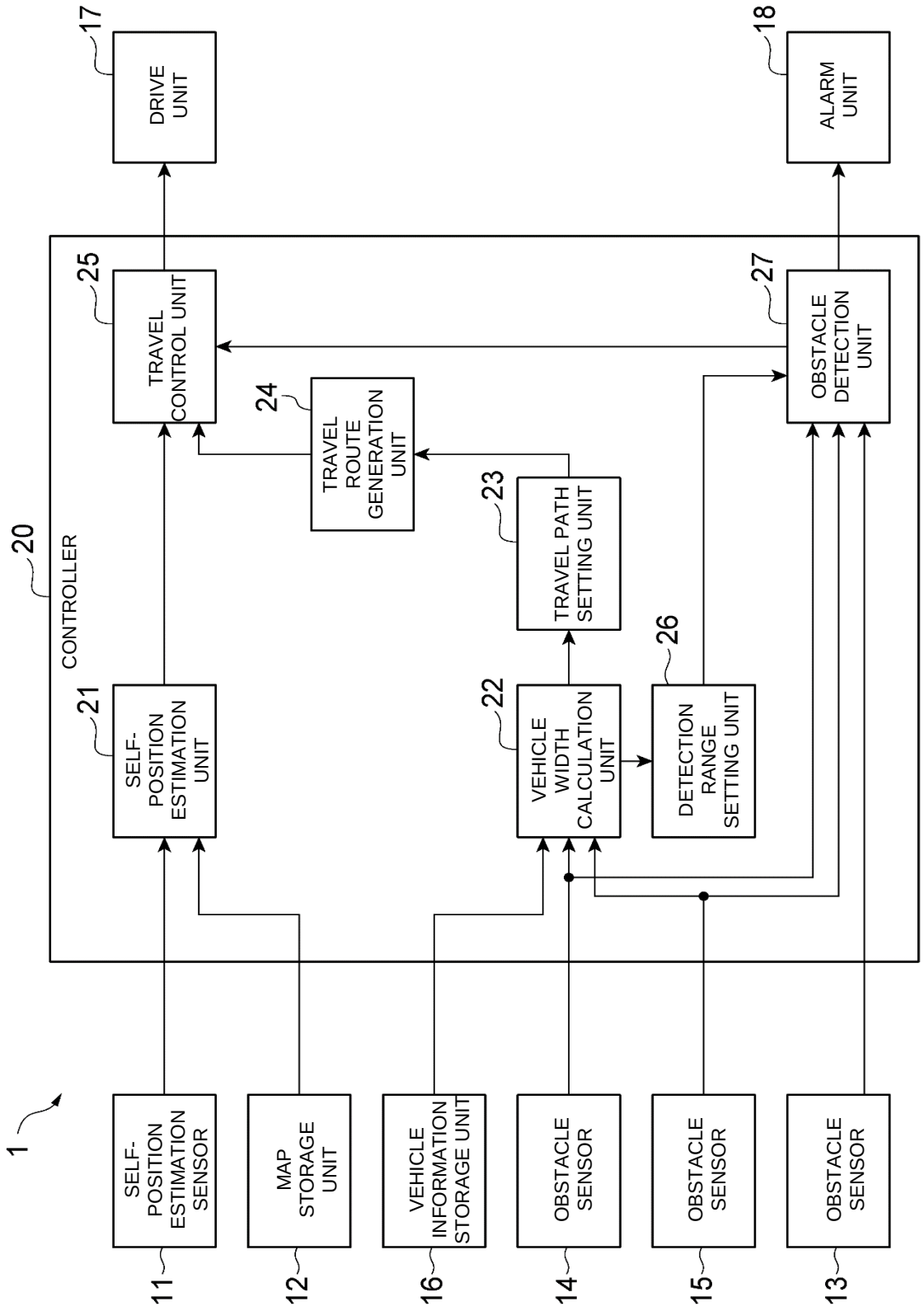

1
SELF-POSITION ESTIMATION SENSOR
11
MAP STORAGE UNIT
12
VEHICLE INFORMATION STORAGE UNIT
16
OBSTACLE SENSOR
14
OBSTACLE SENSOR
15
OBSTACLE SENSOR
13
20
CONTROLLER
21
SELF-POSITION ESTIMATION UNIT
22
VEHICLE WIDTH CALCULATION UNIT
23
TRAVEL PATH SETTING UNIT
24
TRAVEL ROUTE GENERATION UNIT
25
TRAVEL CONTROL UNIT
26
DETECTION RANGE SETTING UNIT
27
OBSTACLE DETECTION UNIT
17
DRIVE UNIT
18
ALARM UNIT

FIG. 4

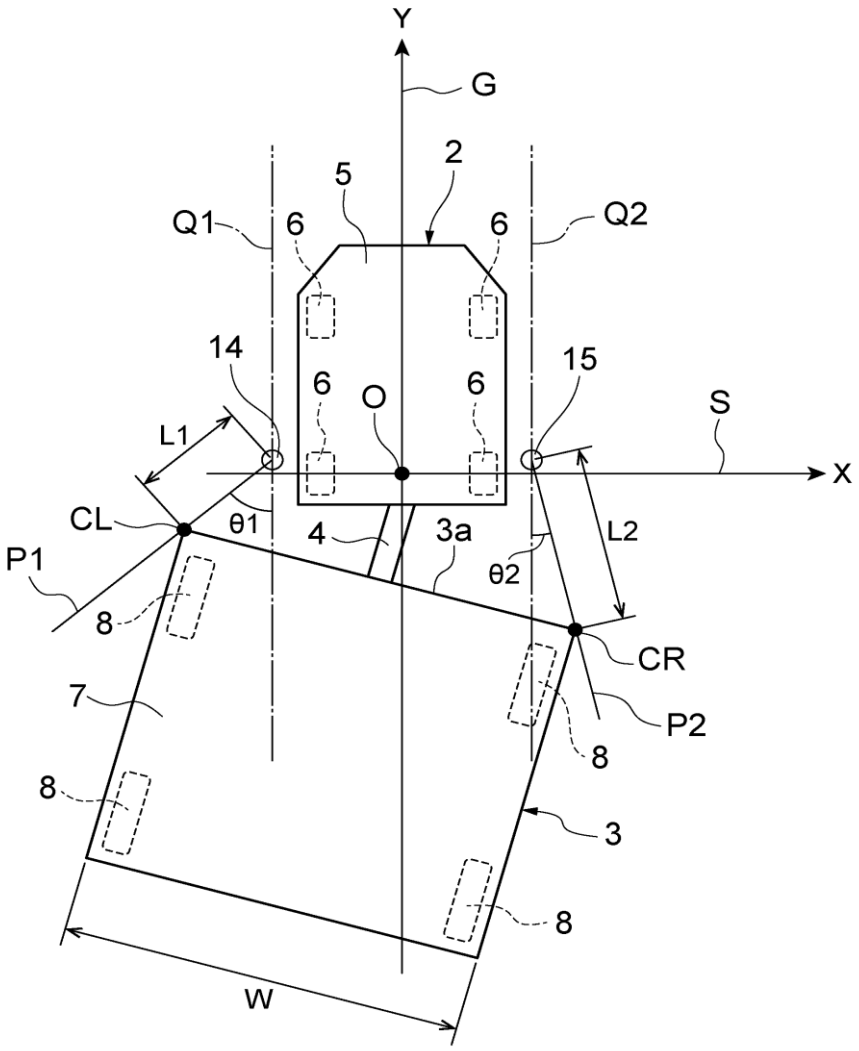


FIG. 5

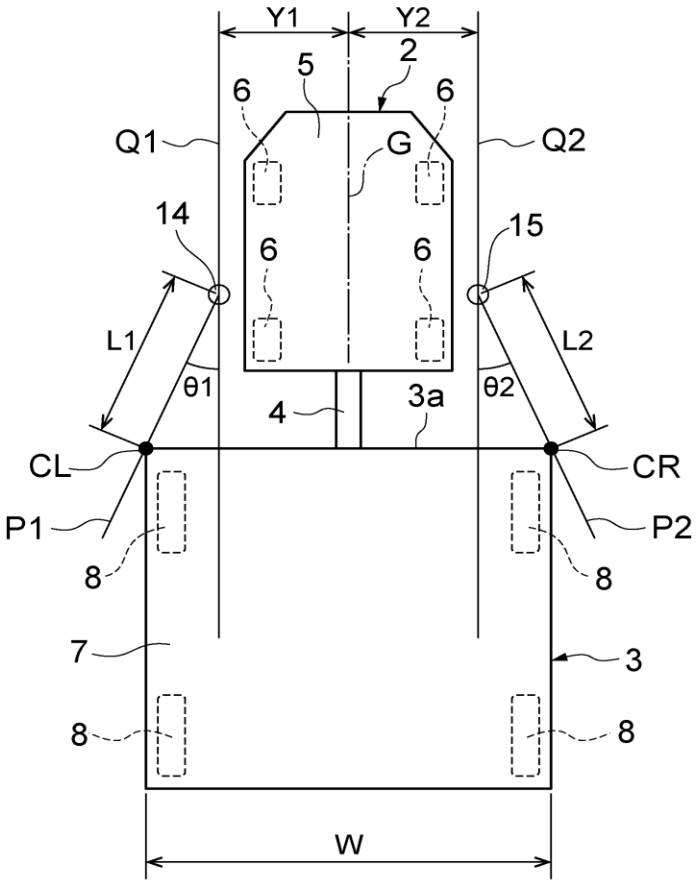


FIG. 6

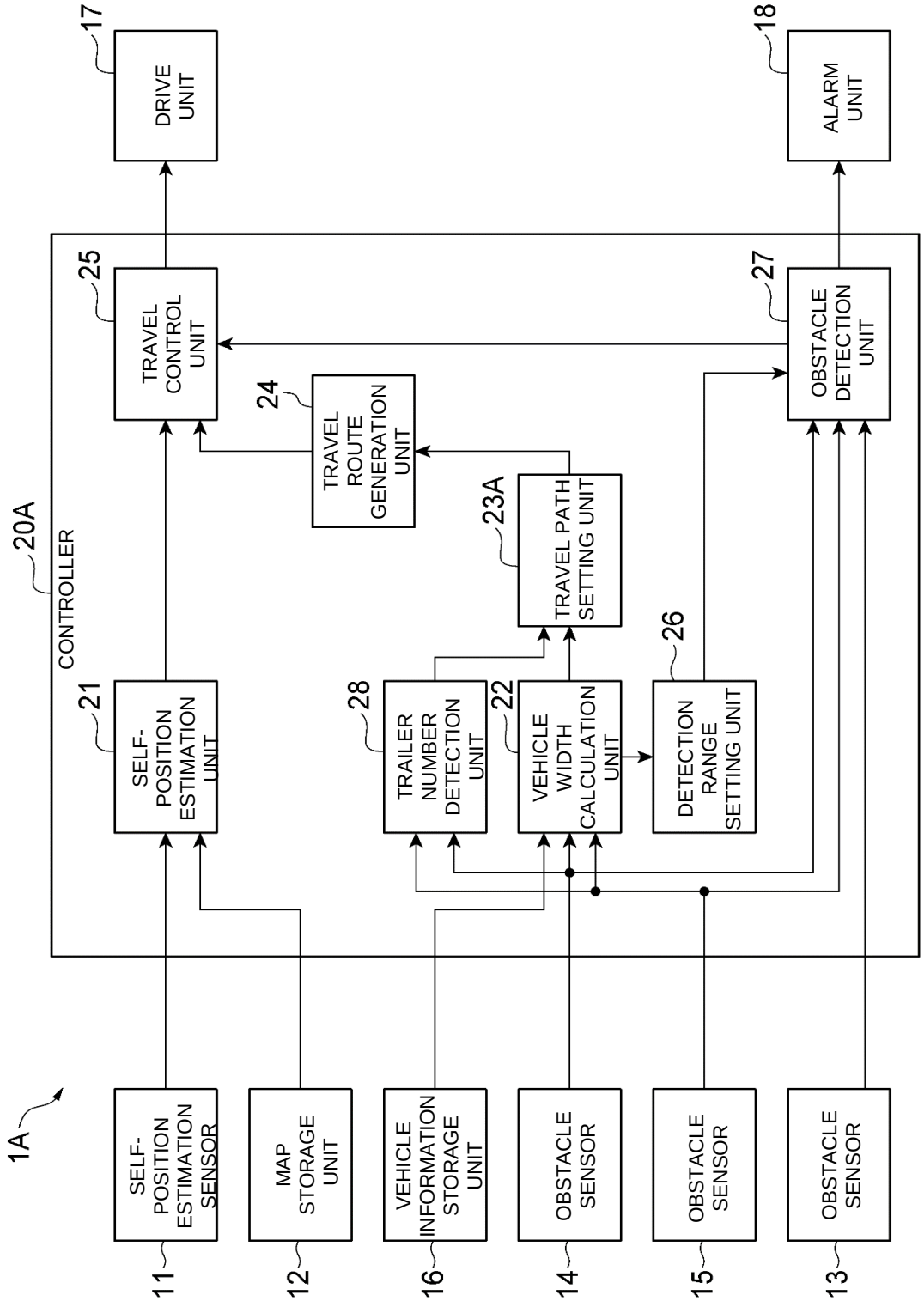

1A
SELF-POSITION ESTIMATION SENSOR
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MAP STORAGE UNIT
12
VEHICLE INFORMATION STORAGE UNIT
16
OBSTACLE SENSOR
14
OBSTACLE SENSOR
15
OBSTACLE SENSOR
13
20A
CONTROLLER
21
SELF-POSITION ESTIMATION UNIT
28
TRAILER NUMBER DETECTION UNIT
22
VEHICLE WIDTH CALCULATION UNIT
26
DETECTION RANGE SETTING UNIT
23A
TRAVEL PATH SETTING UNIT
24
TRAVEL ROUTE GENERATION UNIT
25
TRAVEL CONTROL UNIT
27
OBSTACLE DETECTION UNIT
17
DRIVE UNIT
18
ALARM UNIT

FIG. 7

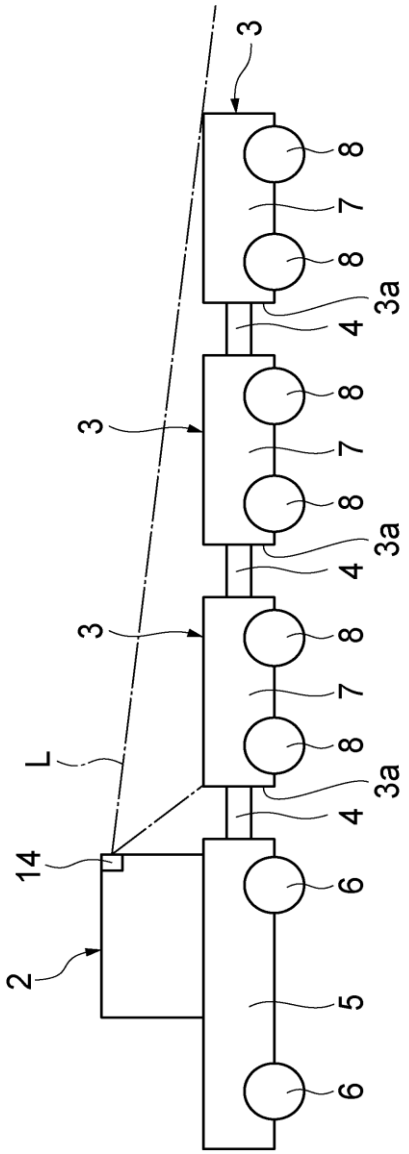


FIG. 8

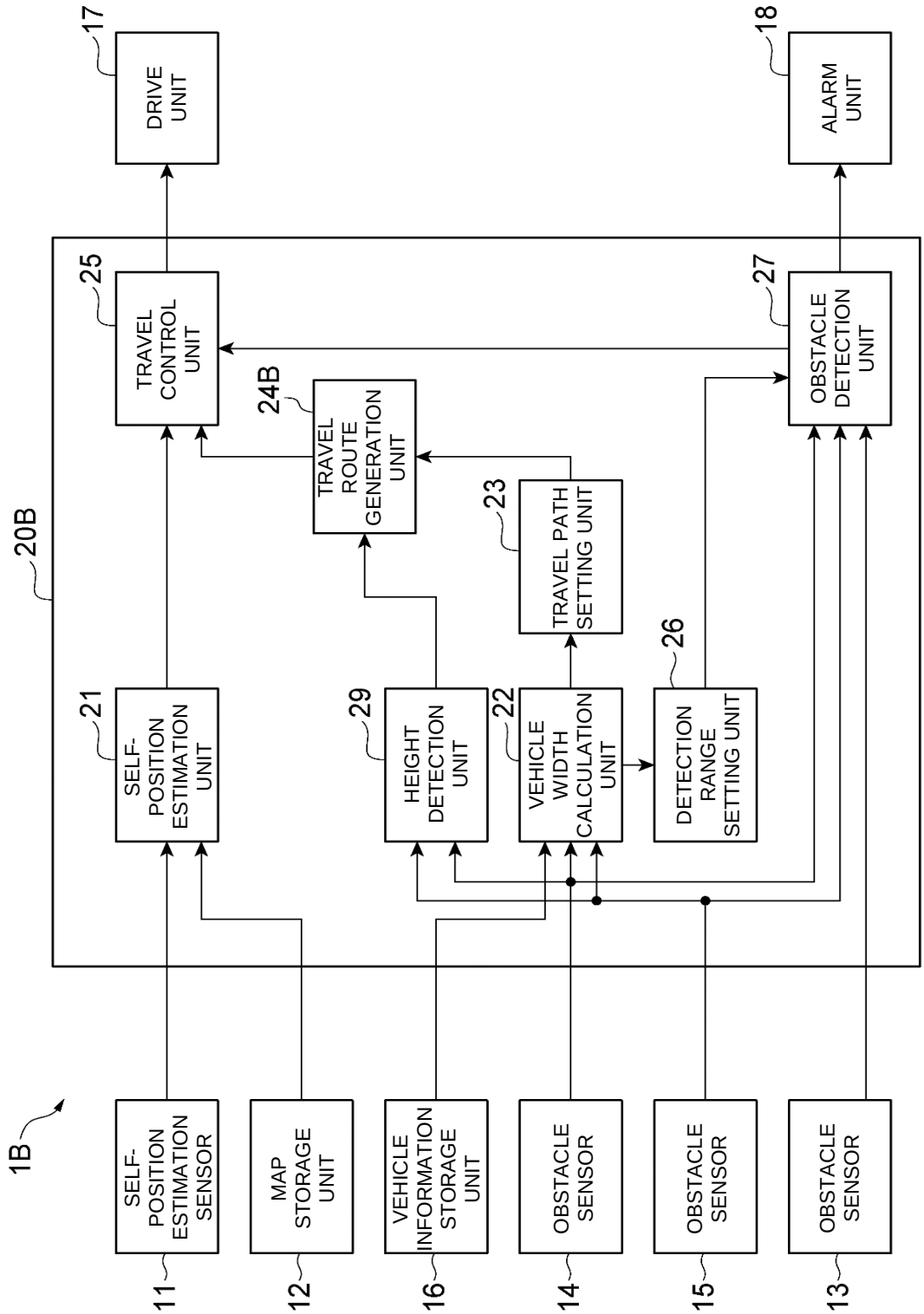

1B
SELF-POSITION ESTIMATION SENSOR
11
MAP STORAGE UNIT
12
VEHICLE INFORMATION STORAGE UNIT
16
OBSTACLE SENSOR
14
OBSTACLE SENSOR
15
OBSTACLE SENSOR
13
20B
SELF-POSITION ESTIMATION UNIT
21
HEIGHT DETECTION UNIT
29
VEHICLE WIDTH CALCULATION UNIT
22
DETECTION RANGE SETTING UNIT
26
TRAVEL PATH SETTING UNIT
23
TRAVEL ROUTE GENERATION UNIT
24B
TRAVEL CONTROL UNIT
25
OBSTACLE DETECTION UNIT
27
DRIVE UNIT
17
ALARM UNIT
18

FIG. 9

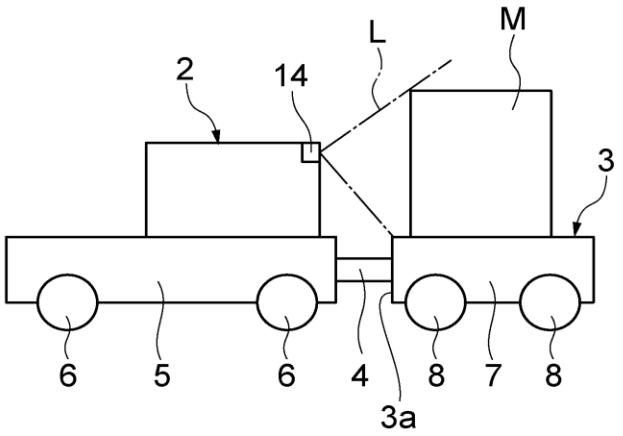


FIG. 10B

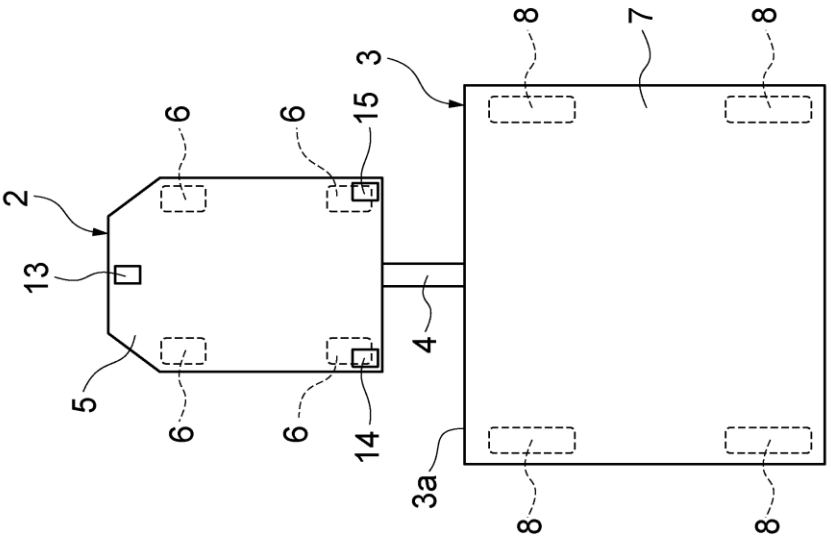


FIG. 10A

