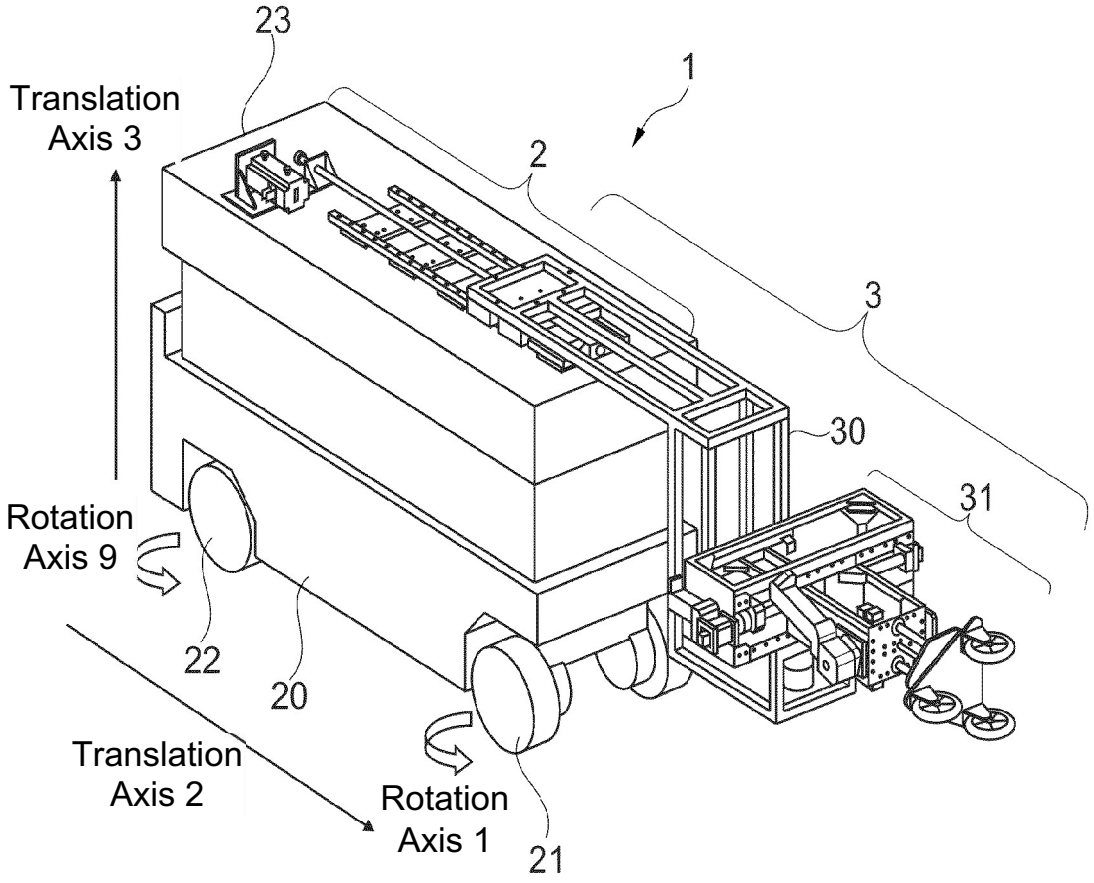

23
Translation
Axis 3
1
2
3
30
31
Rotation
Axis 9
22
20
Translation
Axis 2
Rotation
Axis 1
21

Fig. 1

[Fig.2]

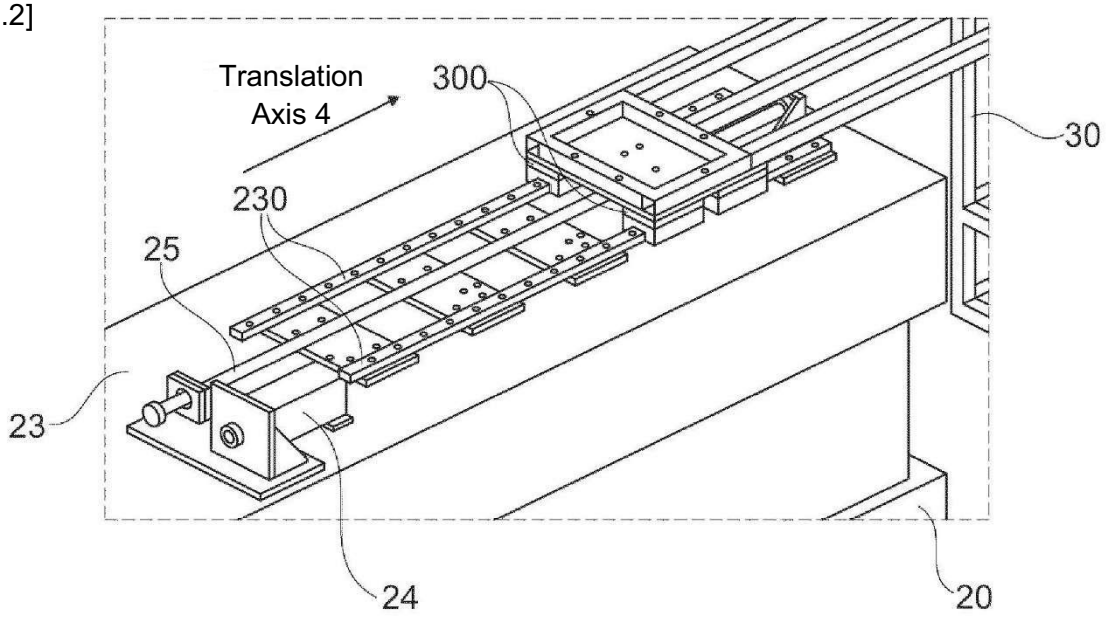


Fig. 2

[Fig.3]

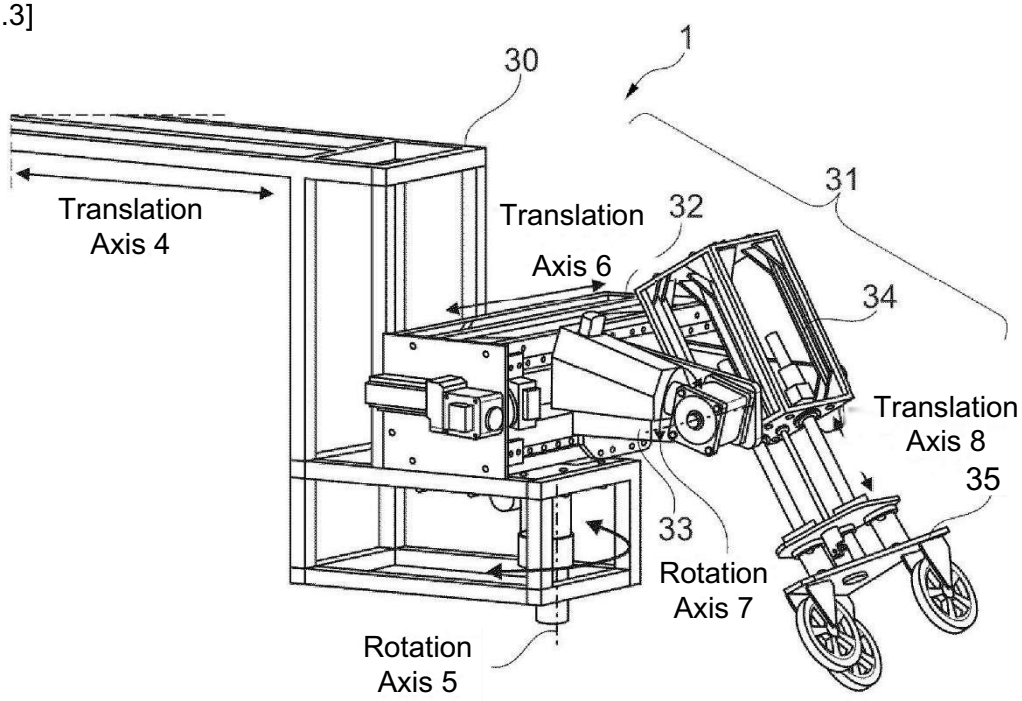


Fig. 3

[Fig.4]

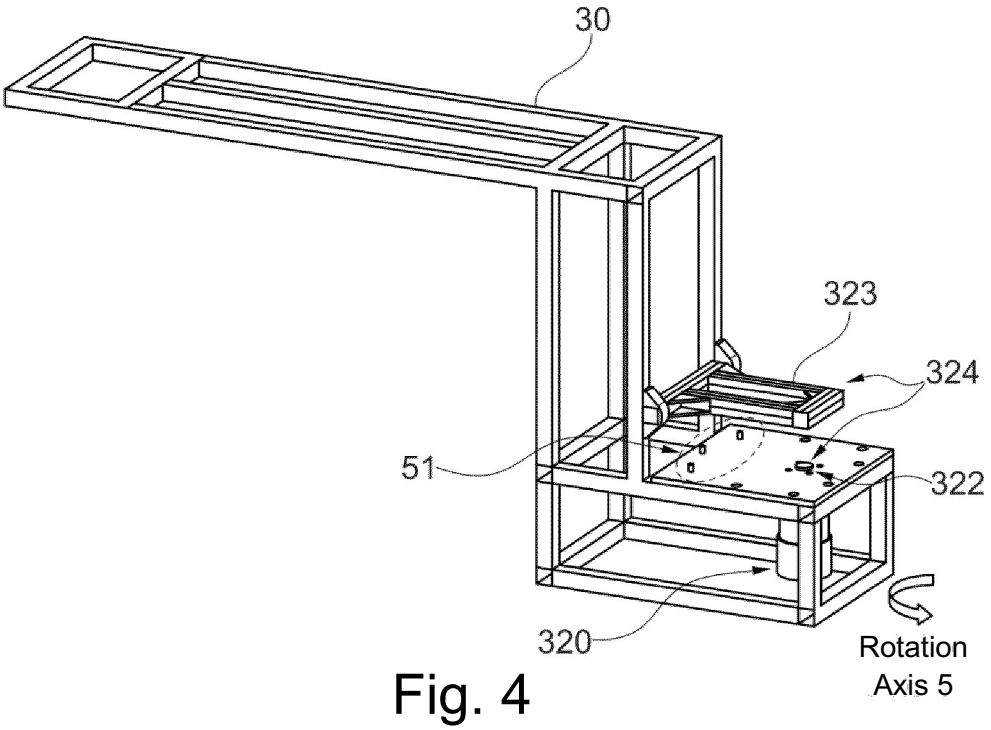


Fig. 4

[Fig.5]

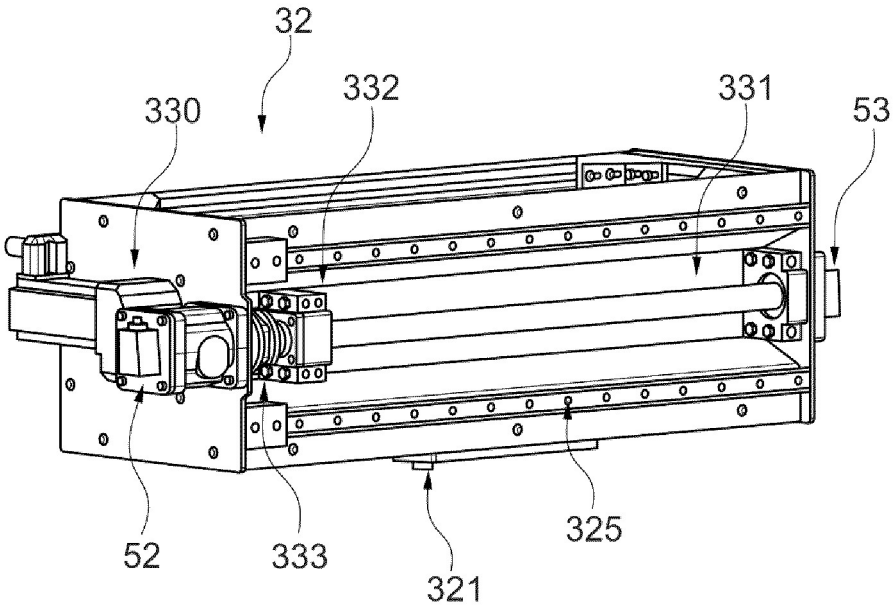


Fig. 5

[Fig 6]

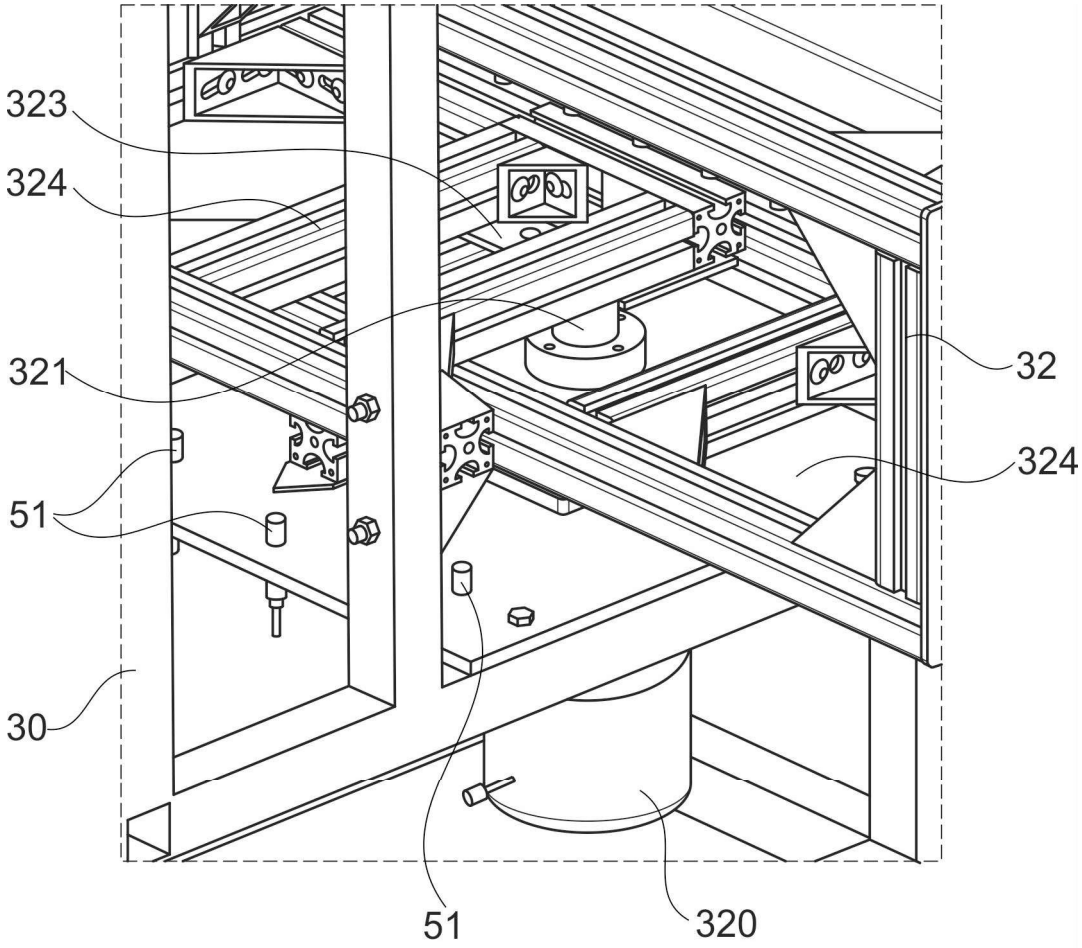


Fig. 6

[Fig 7]

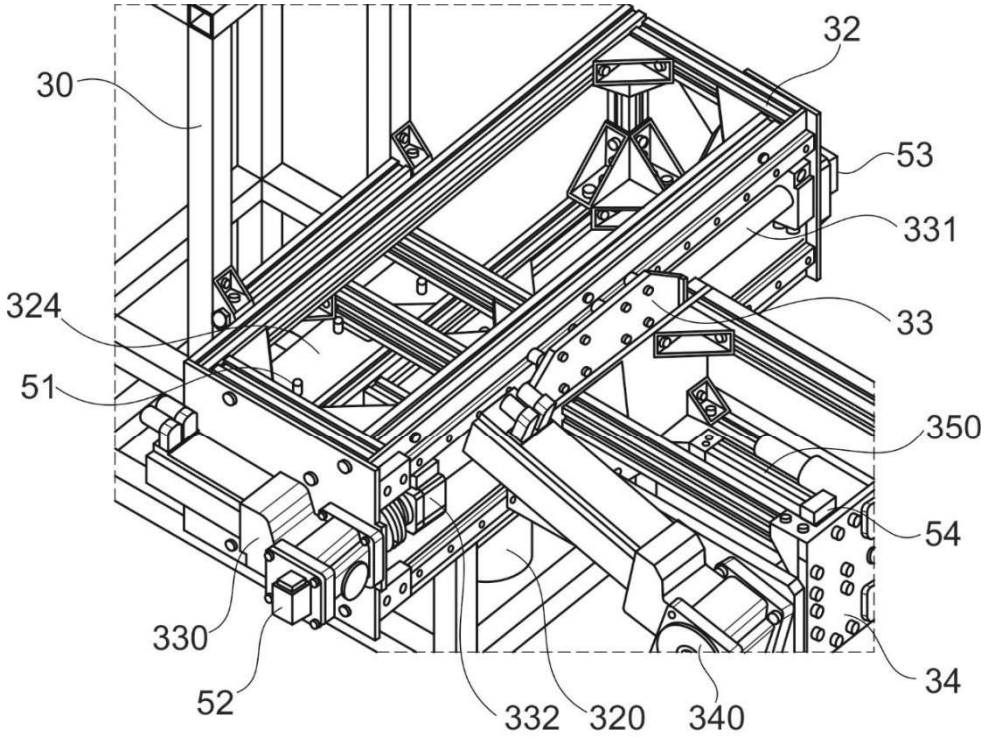


Fig. 7

[Fig 8]

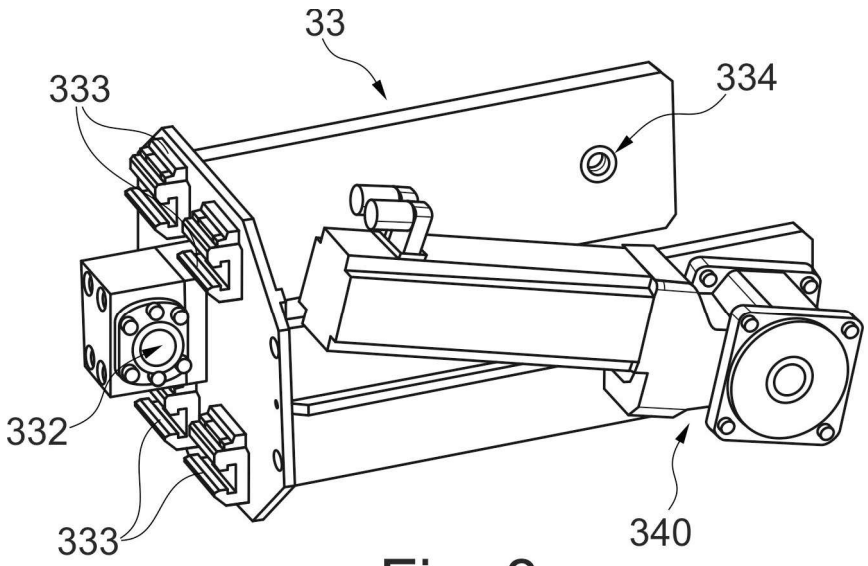


Fig. 8

[Fig 9]

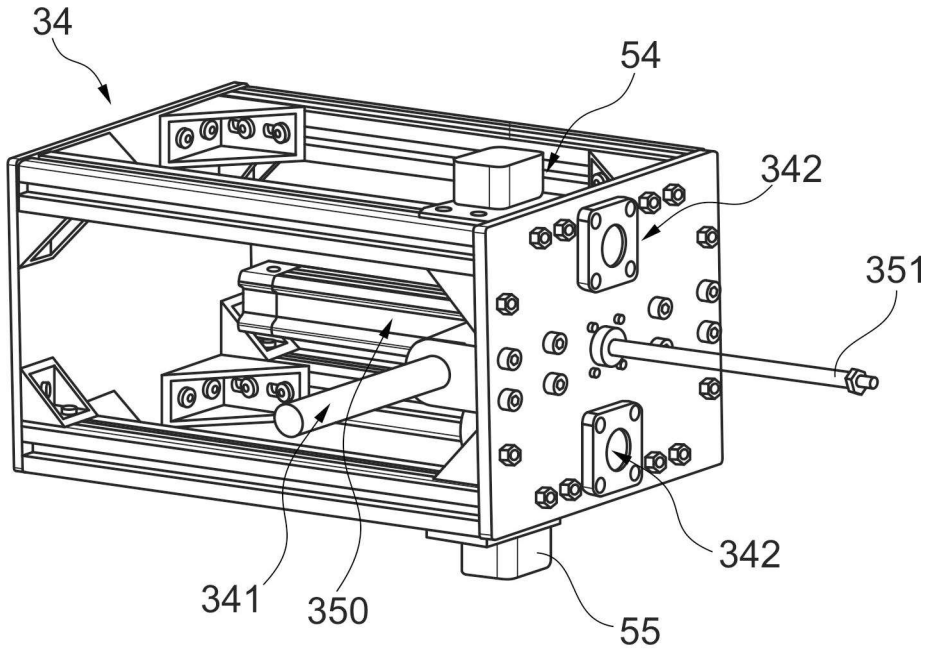


Fig. 9

[Fig 10]

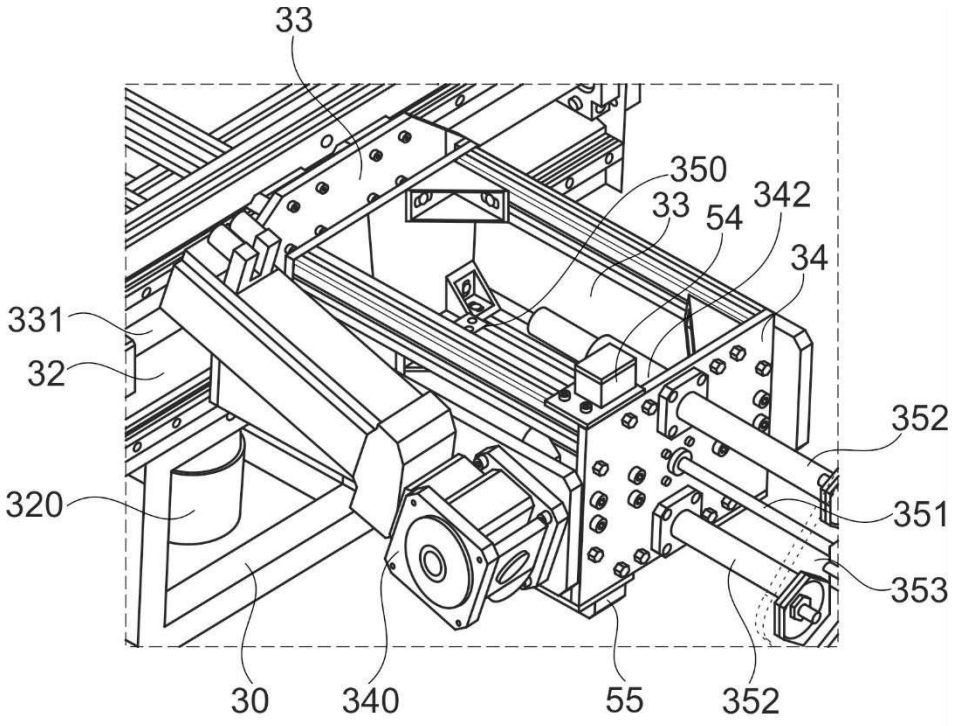


Fig. 10

[Fig 11]

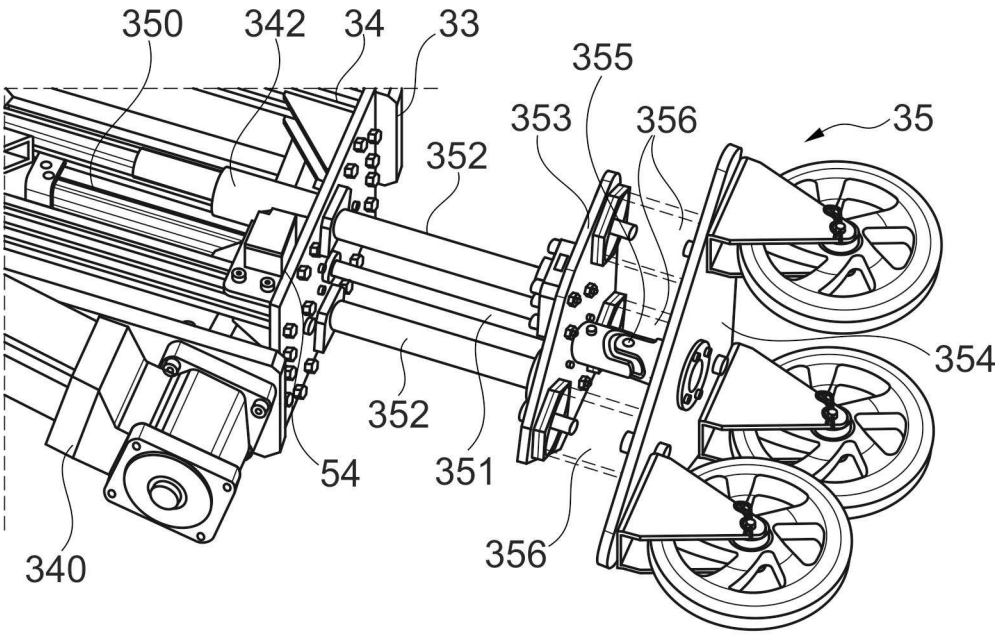


Fig. 11

[Fig 12]

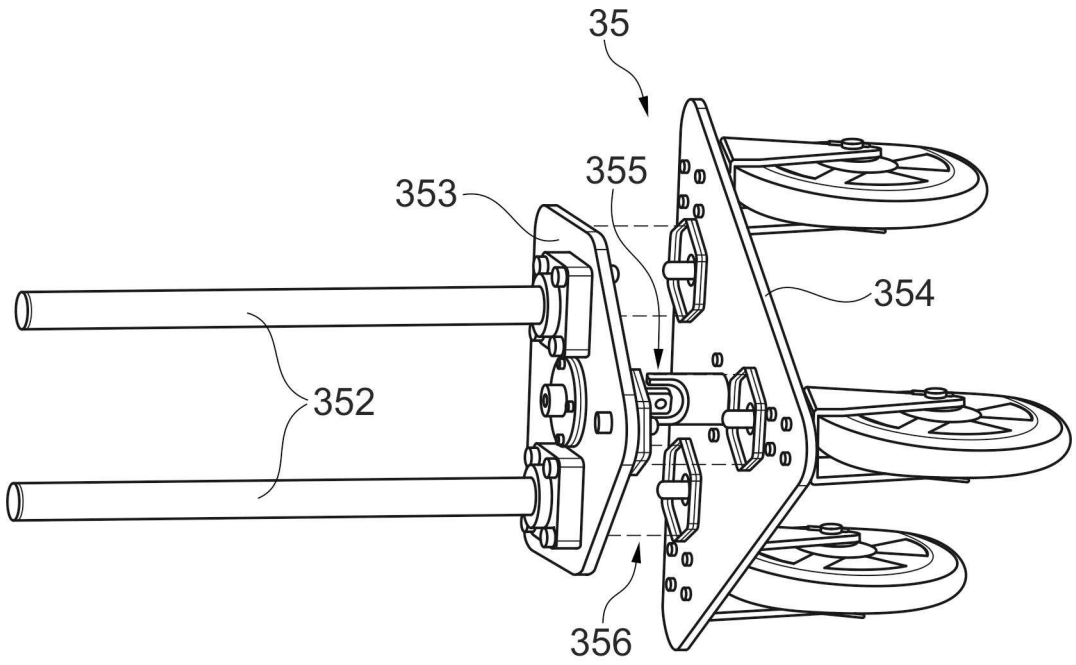


Fig. 12

[Fig.13]

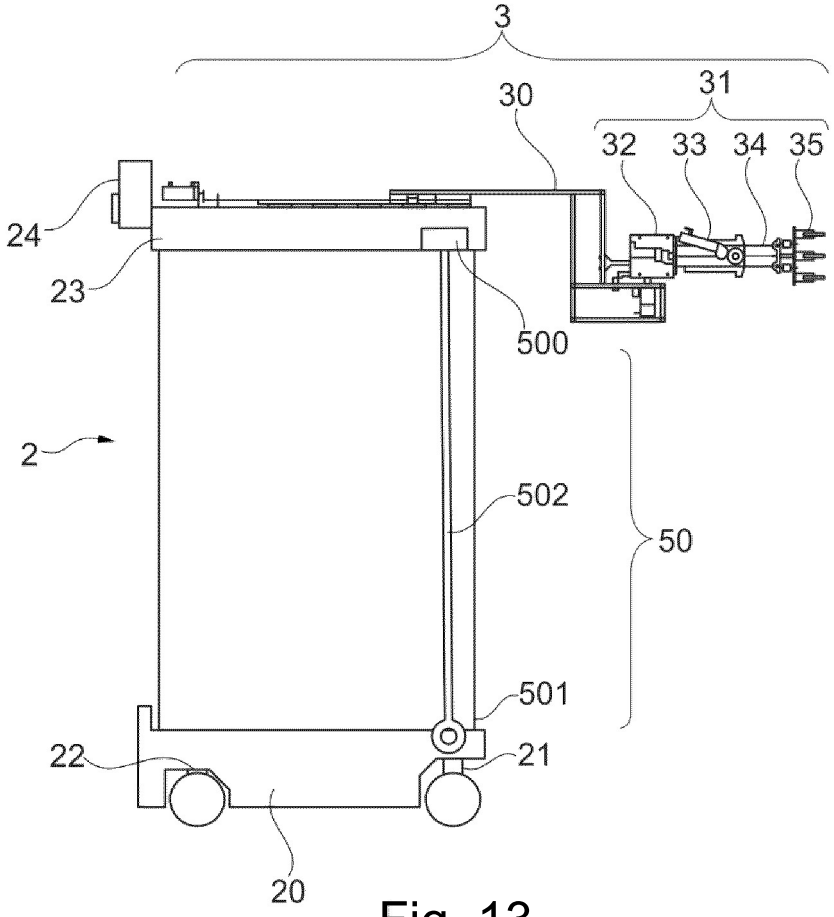


Fig. 13

[Fig.14]

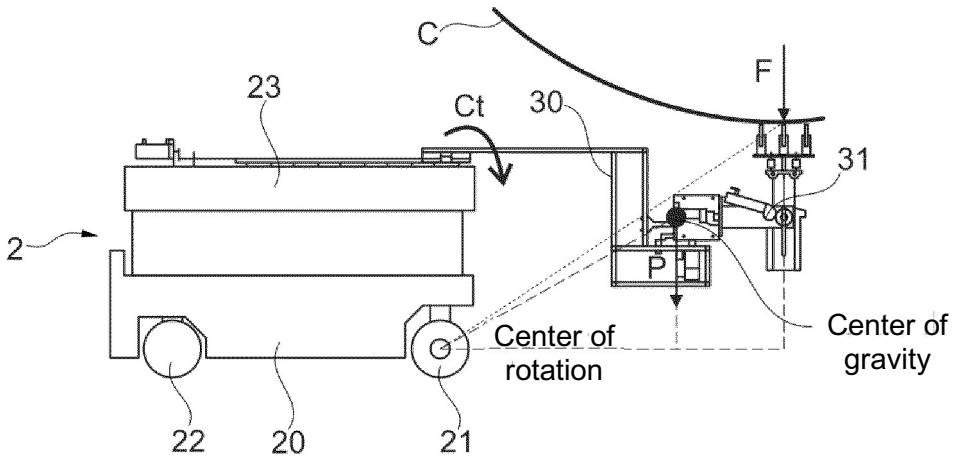


Fig. 14

[Fig.15]

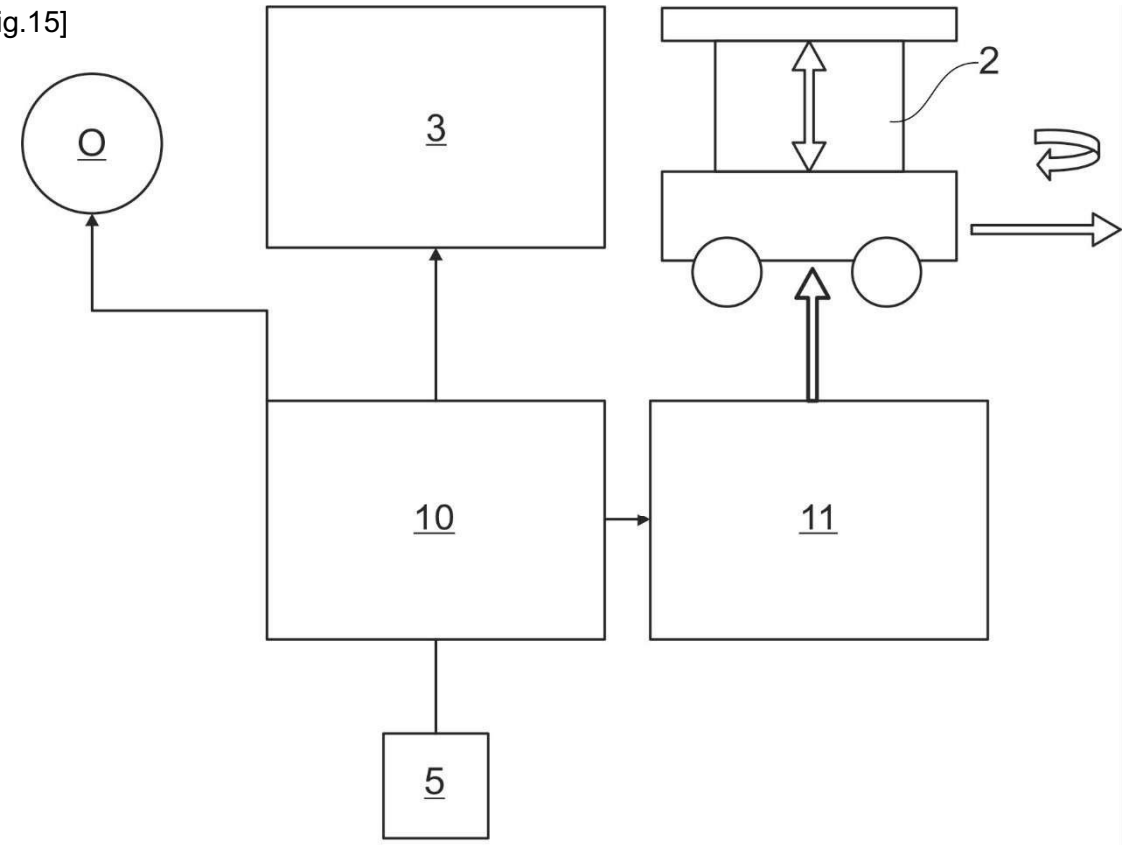


Fig. 15

[Fig 16A]

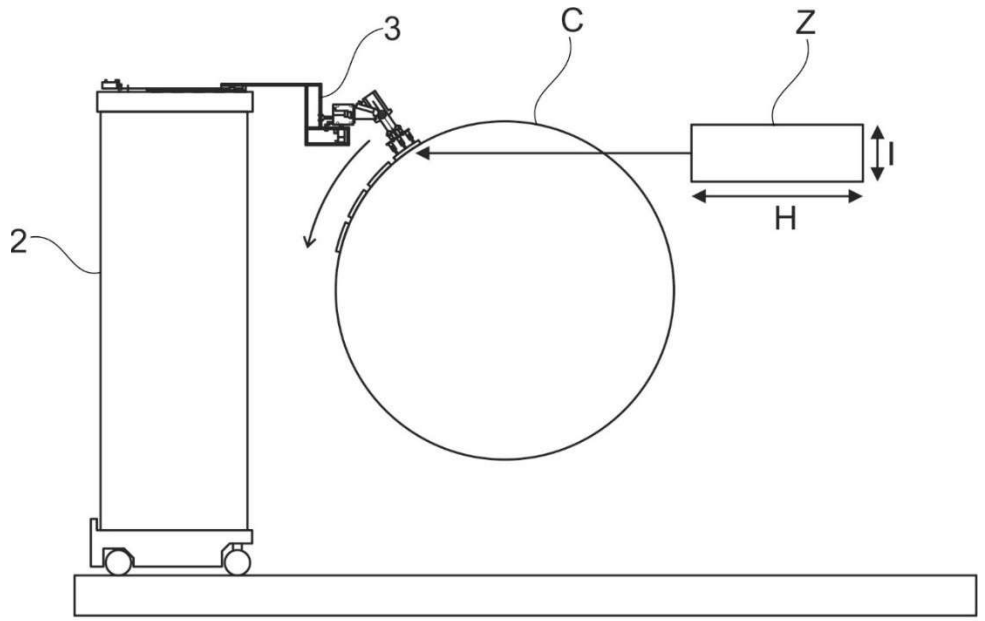


Fig. 16A

[Fig 16B]

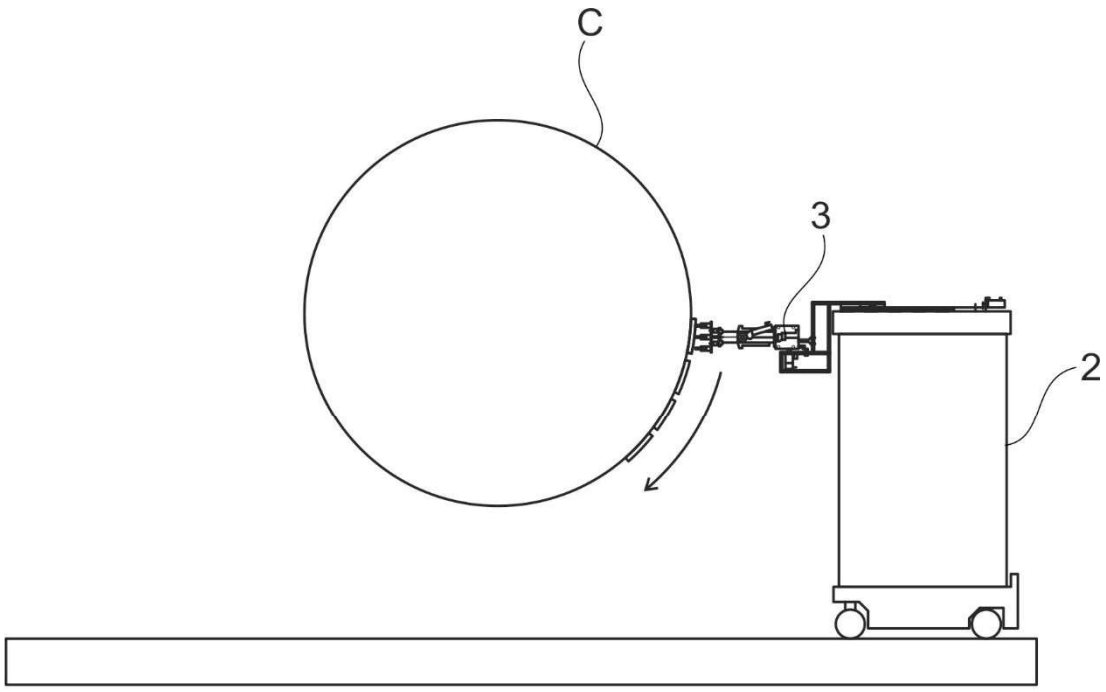


Fig. 16B

[Fig 16C]

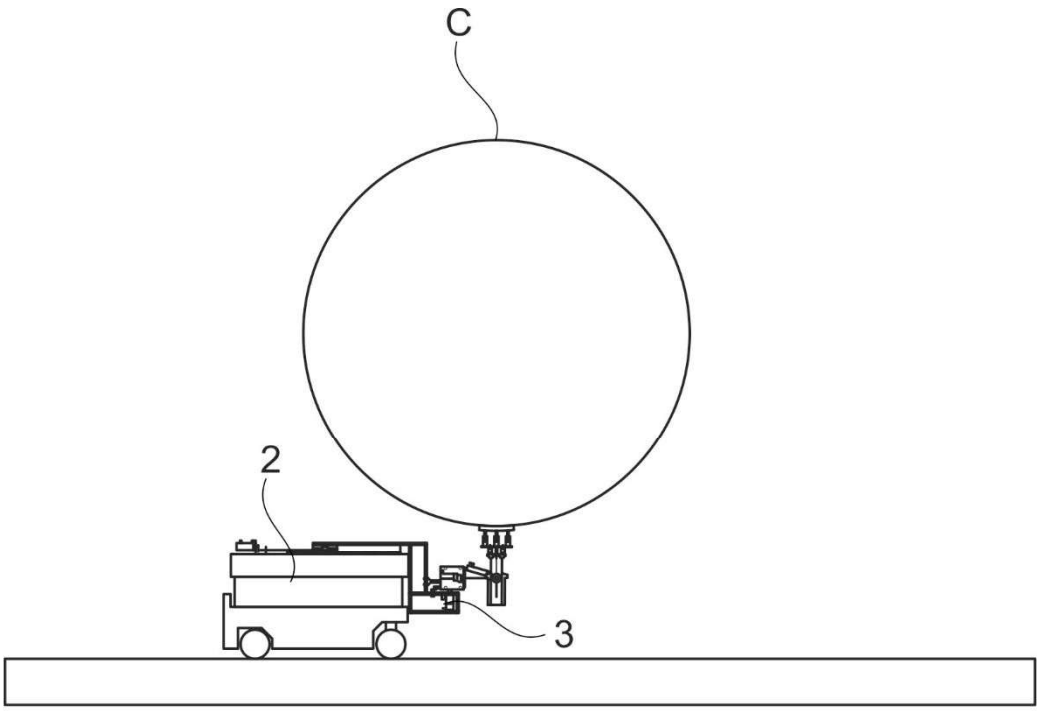


Fig. 16C

[Fig.17]

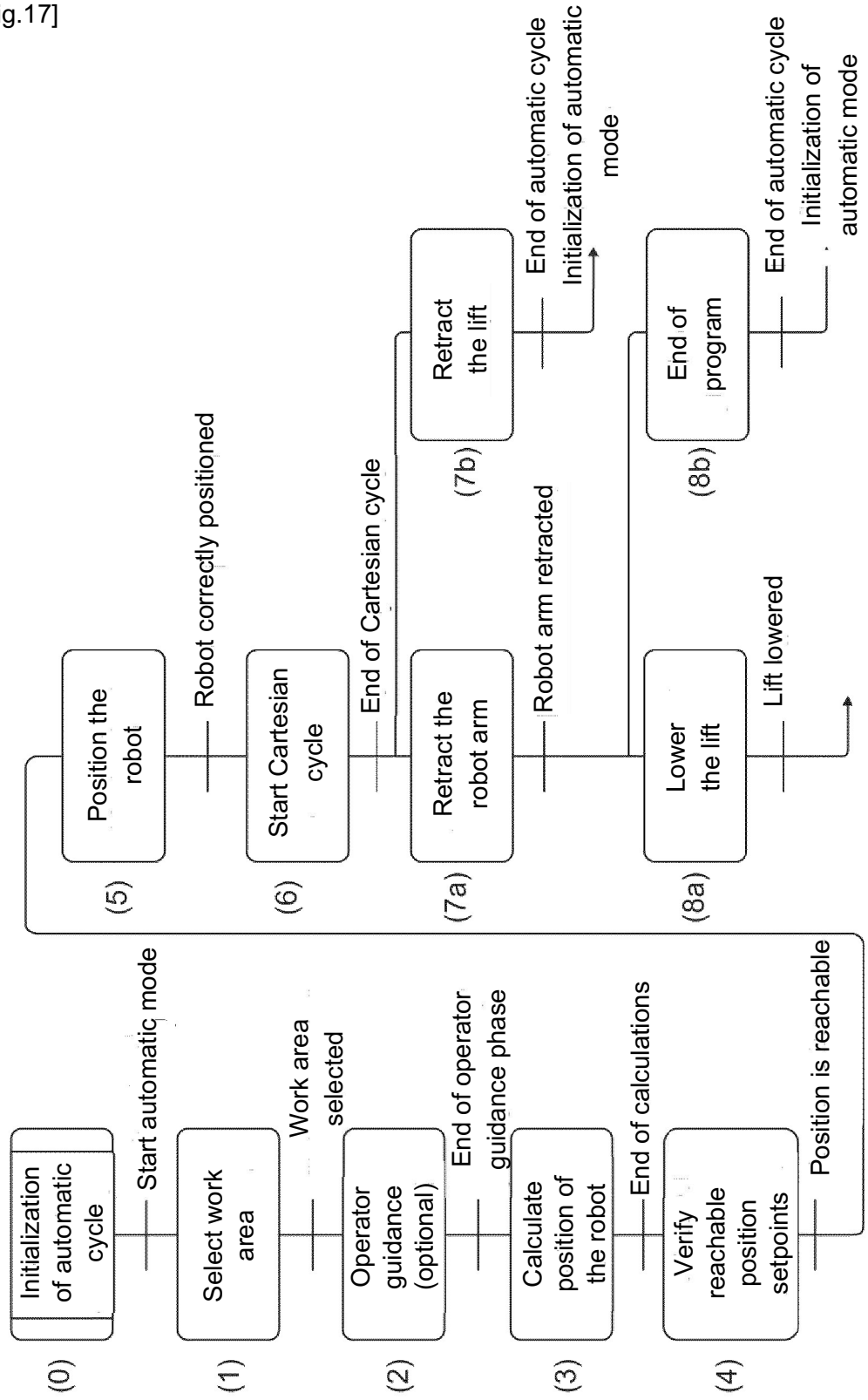

(0)
Initialization of automatic cycle
Start automatic mode
(1)
Select work area
Work area selected
(2)
Operator guidance (optional)
End of operator guidance phase
(3)
Calculate position of the robot
End of calculations
(4)
Verify reachable position setpoints
Position is reachable
(5)
Position the robot
Robot correctly positioned
(6)
Start Cartesian cycle
End of Cartesian cycle
(7a)
Retract the robot arm
Robot arm retracted
(8a)
Lower the lift
Lift lowered
(7b)
Retract the lift
End of automatic cycle
Initialization of automatic mode
(8b)
End of program
End of automatic cycle
Initialization of automatic mode

Fig. 17

[Fig.18A]

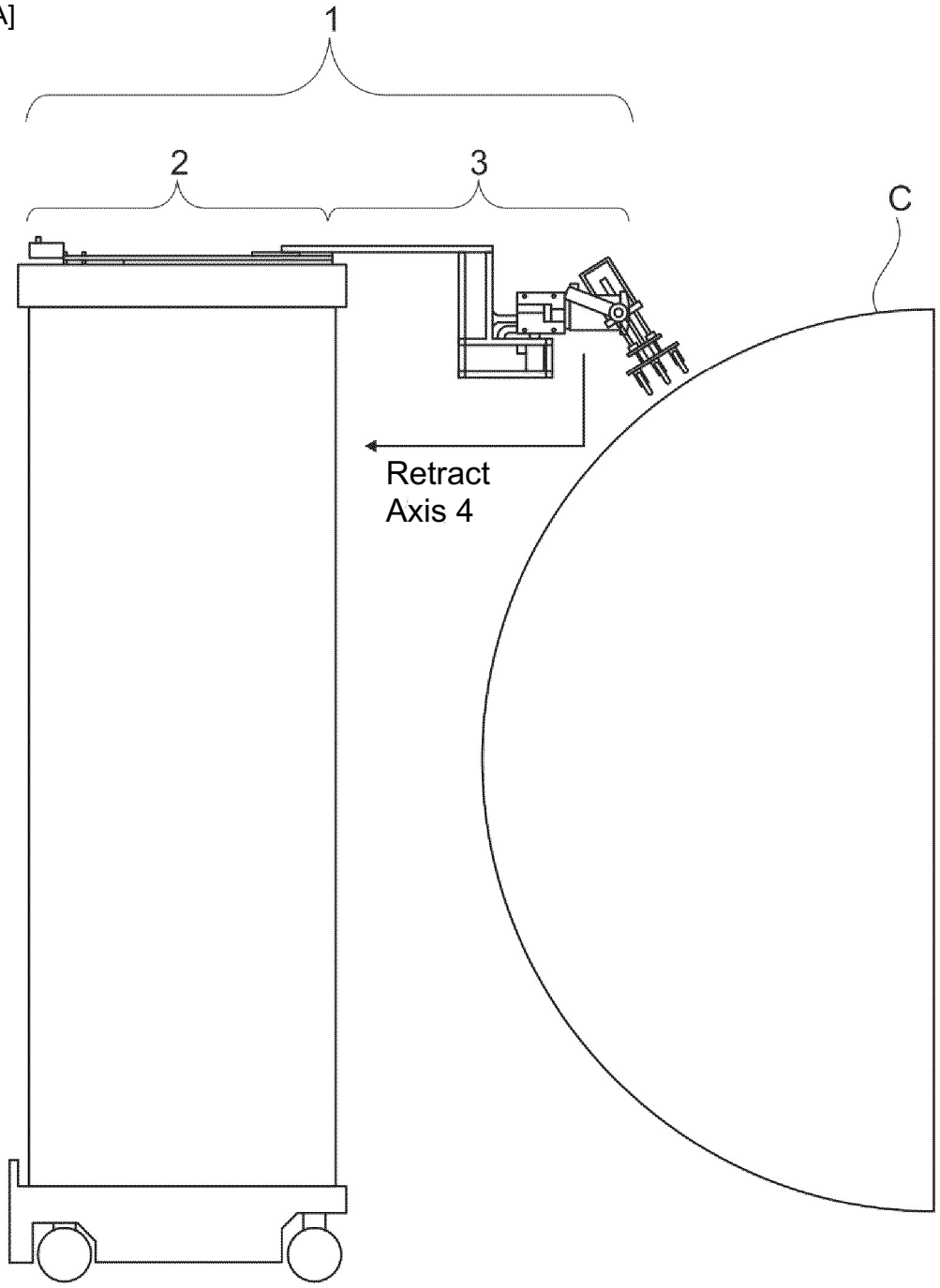


Fig. 18A

[Fig.18B]

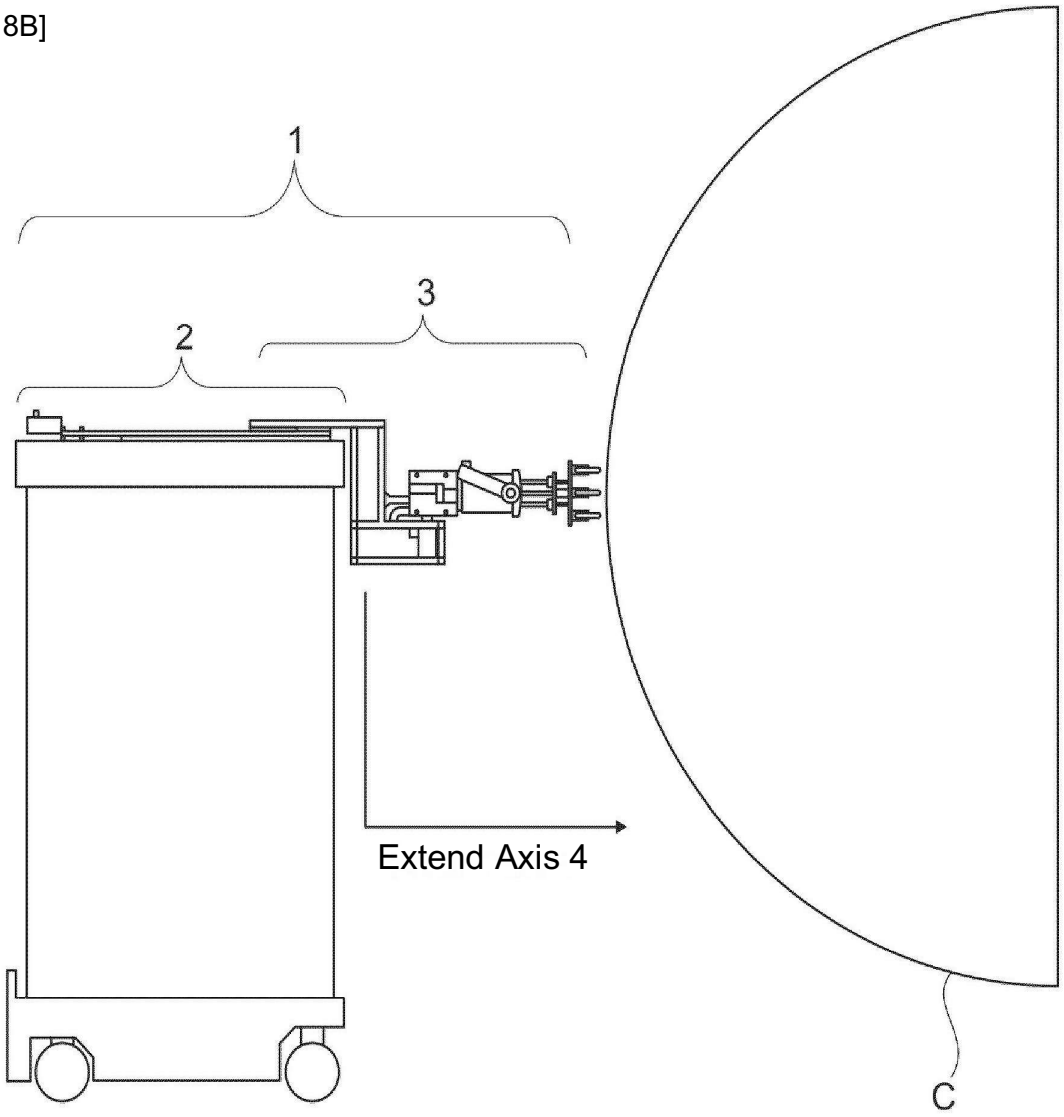


Fig. 18B

[Fig.19A]

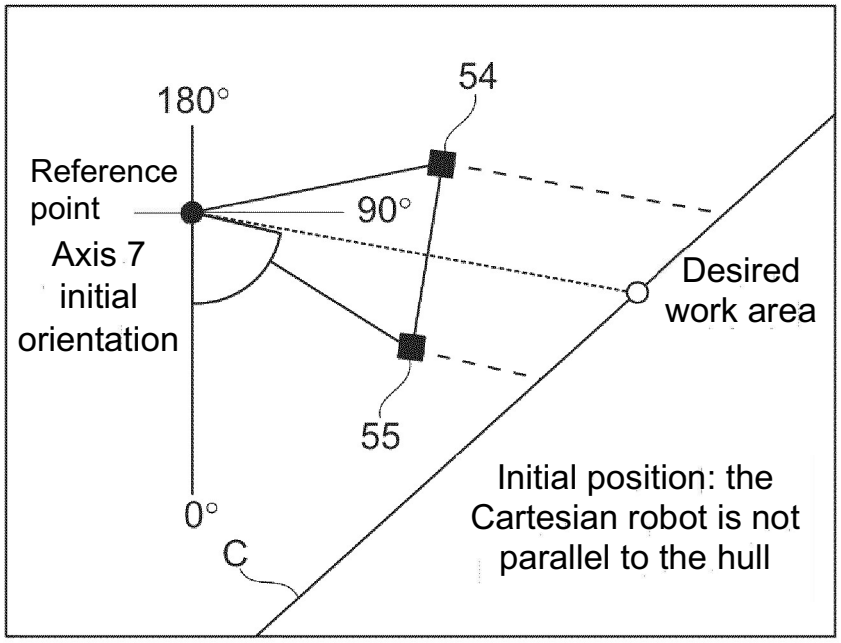


Fig. 19A

[Fig.19B]

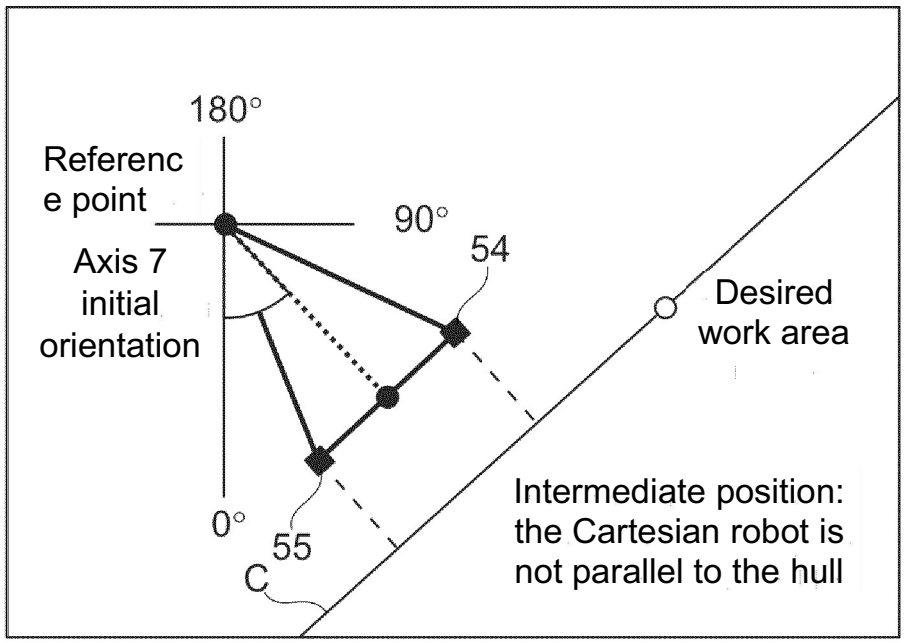


Fig. 19B

[Fig.19C]

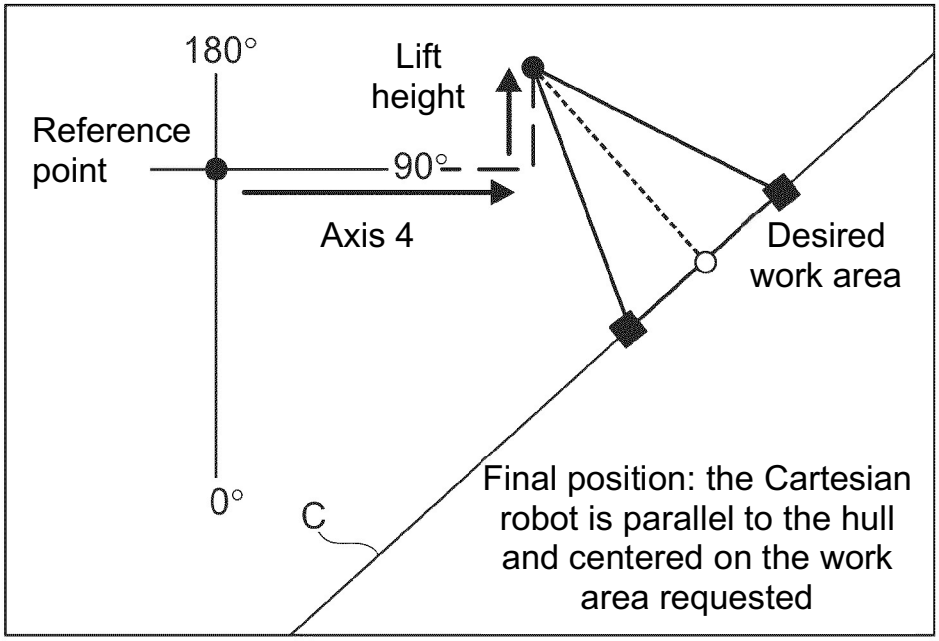


Fig. 19C

[Fig.20]

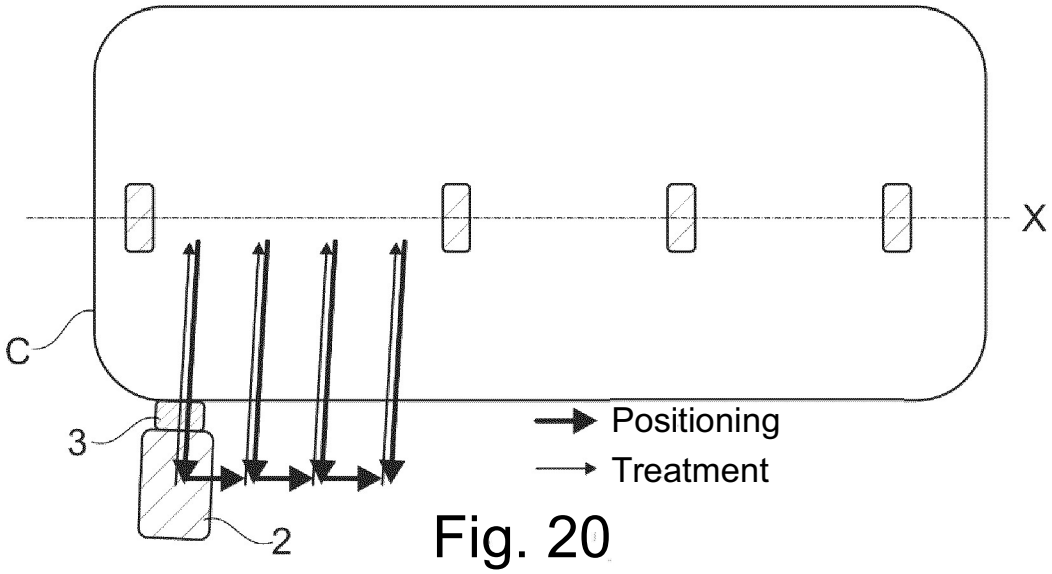


Fig. 20