[Fig.1]

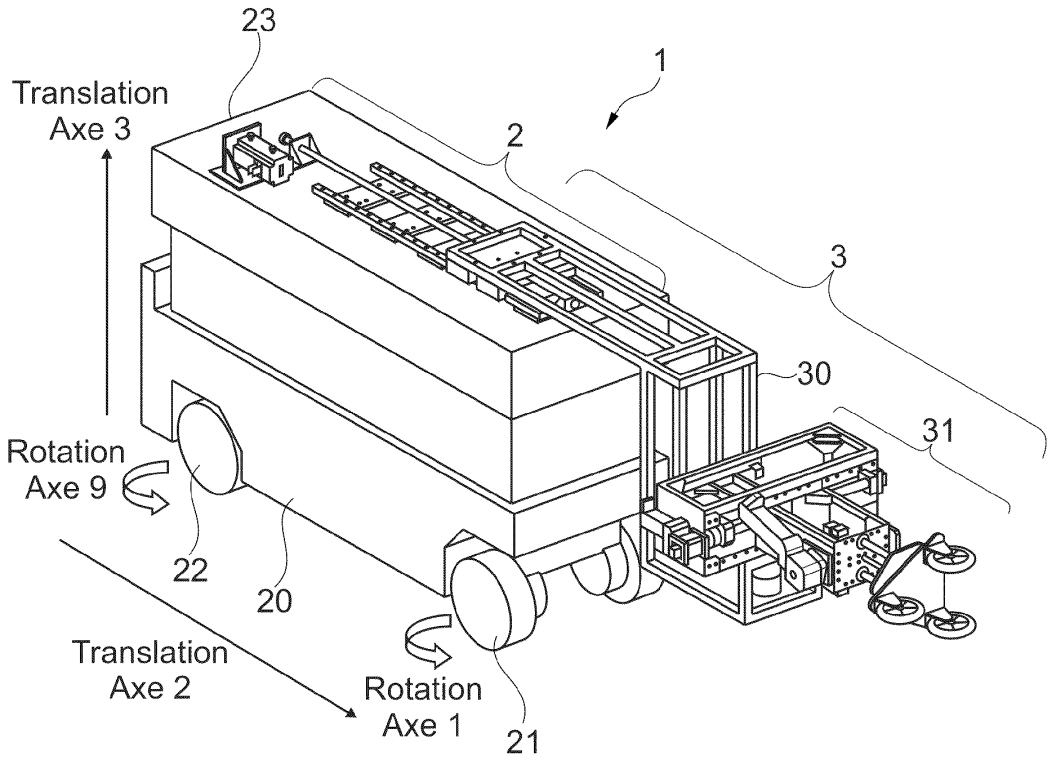

23
1
Translation
Axe 3
2
3
30
31
Rotation
Axe 9
22
20
Translation
Axe 2
Rotation
Axe 1
21

Fig. 1

[Fig 2]

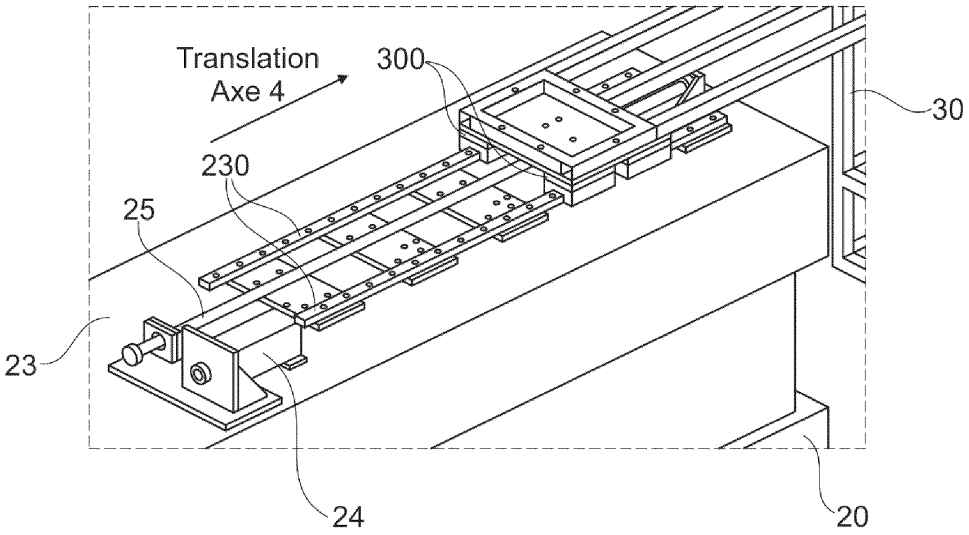


Fig. 2

[Fig 3]

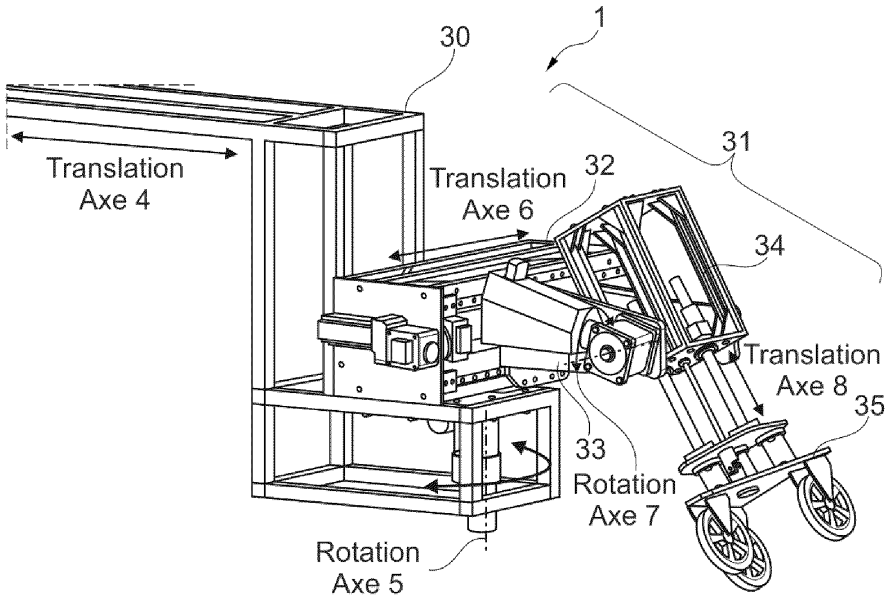


Fig. 3

[Fig 4]

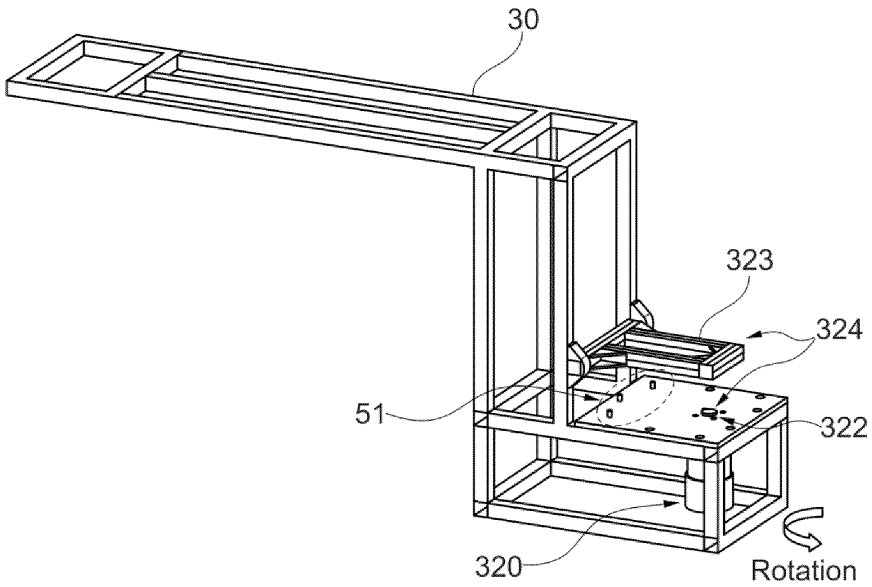


Fig. 4

[Fig 5]

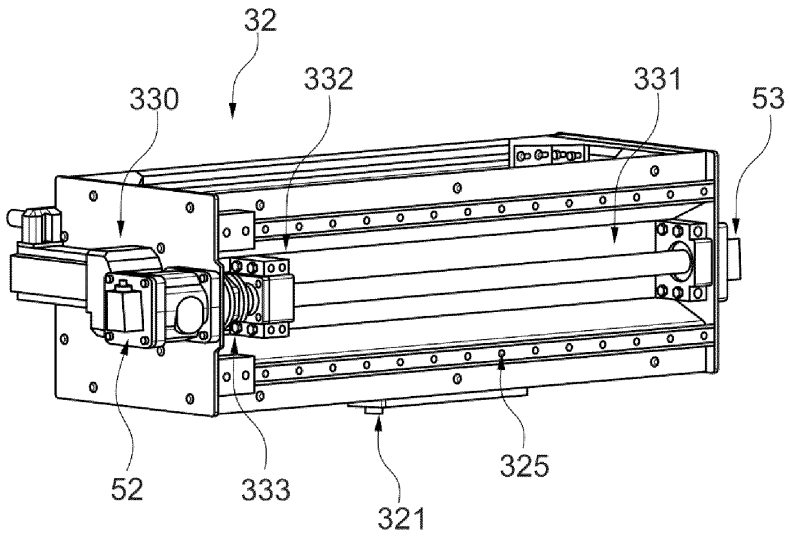


Fig. 5

[Fig 6]

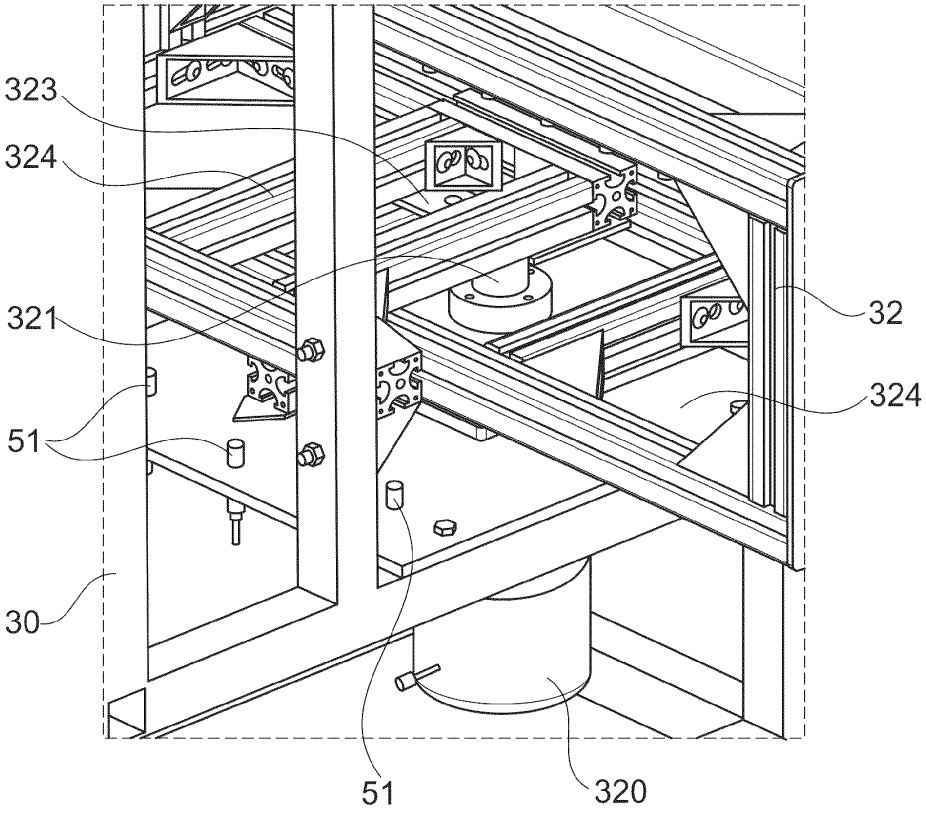


Fig. 6

[Fig 7]

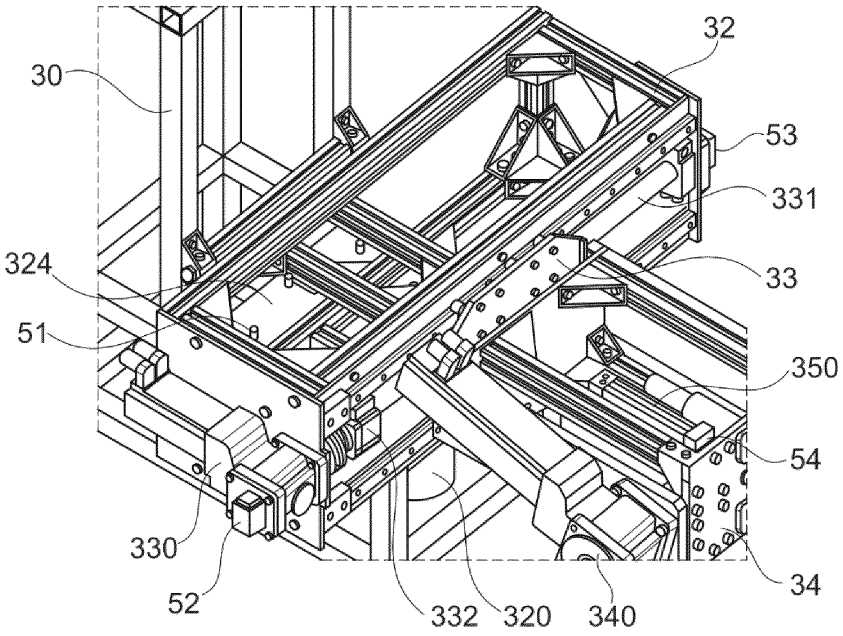


Fig. 7

[Fig 8]

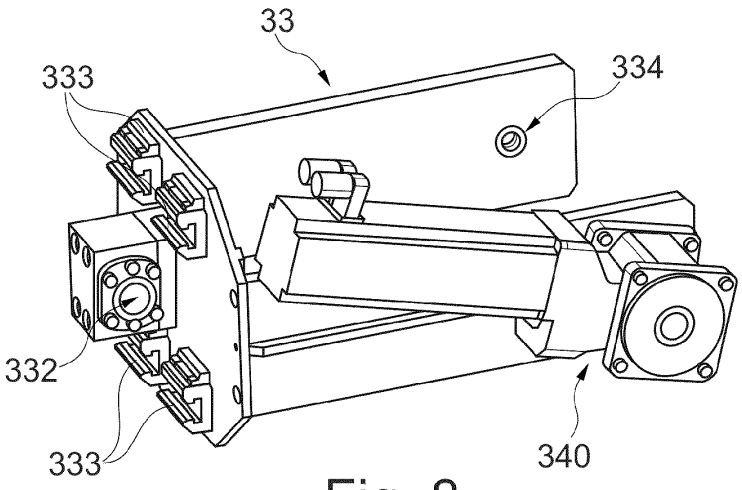


Fig. 8

[Fig 9]

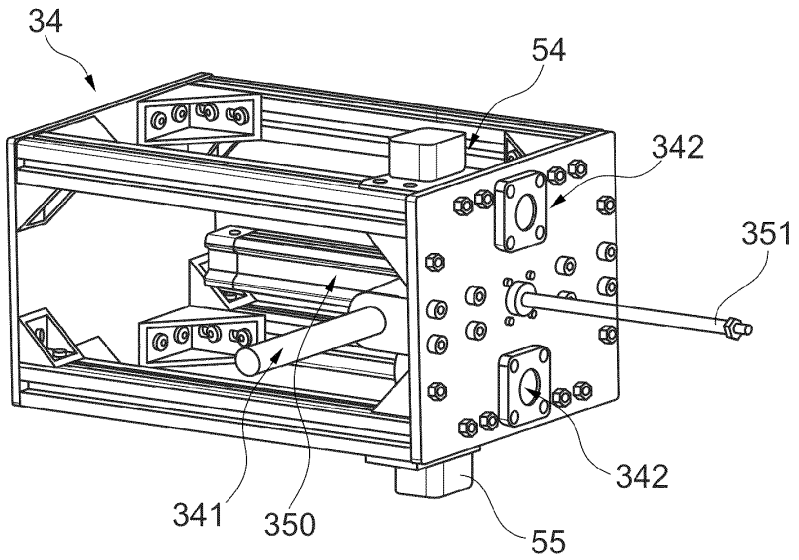


Fig. 9

[Fig 10]

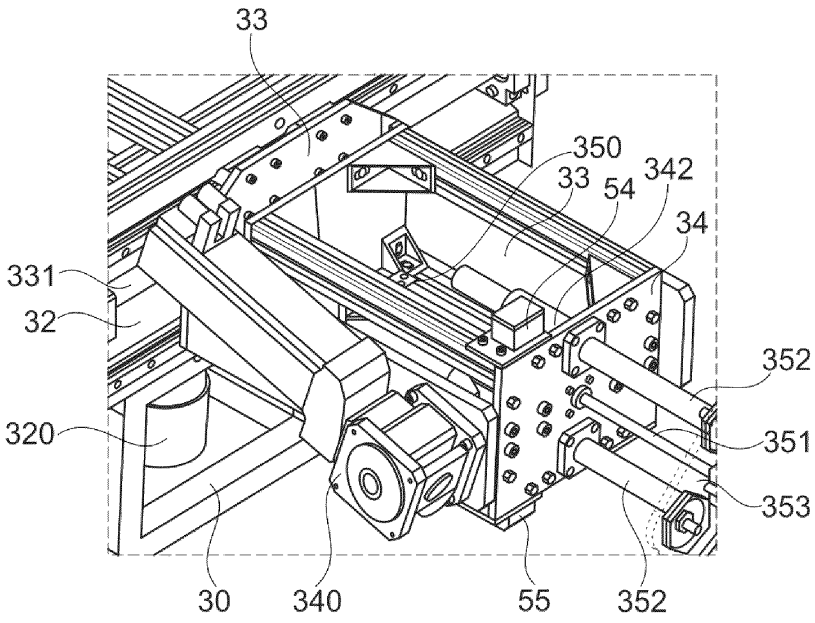


Fig. 10

[Fig 11]

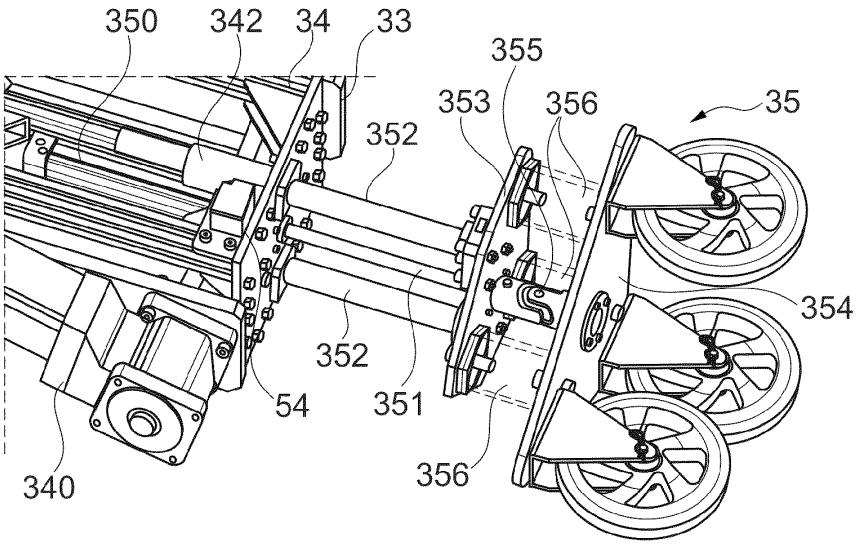


Fig. 11

[Fig 12]

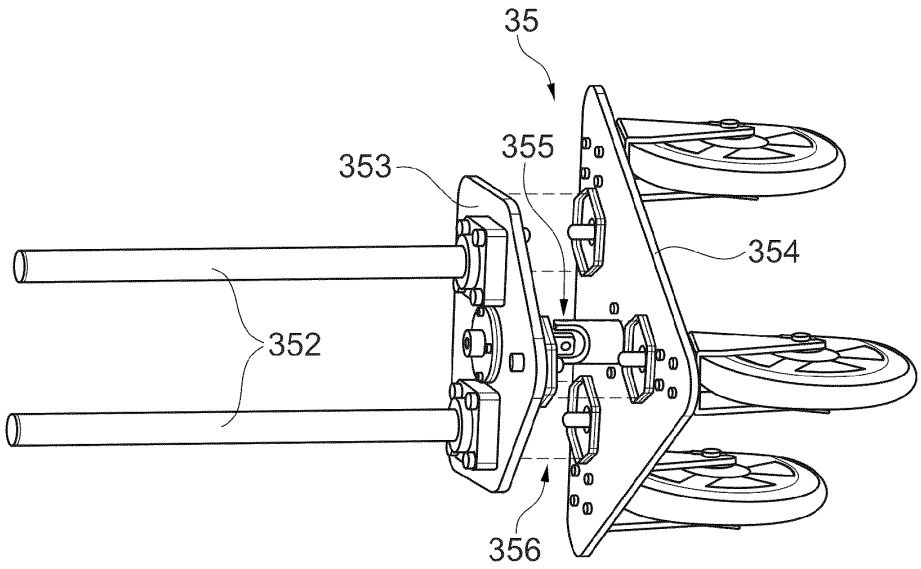


Fig. 12

[Fig 13]

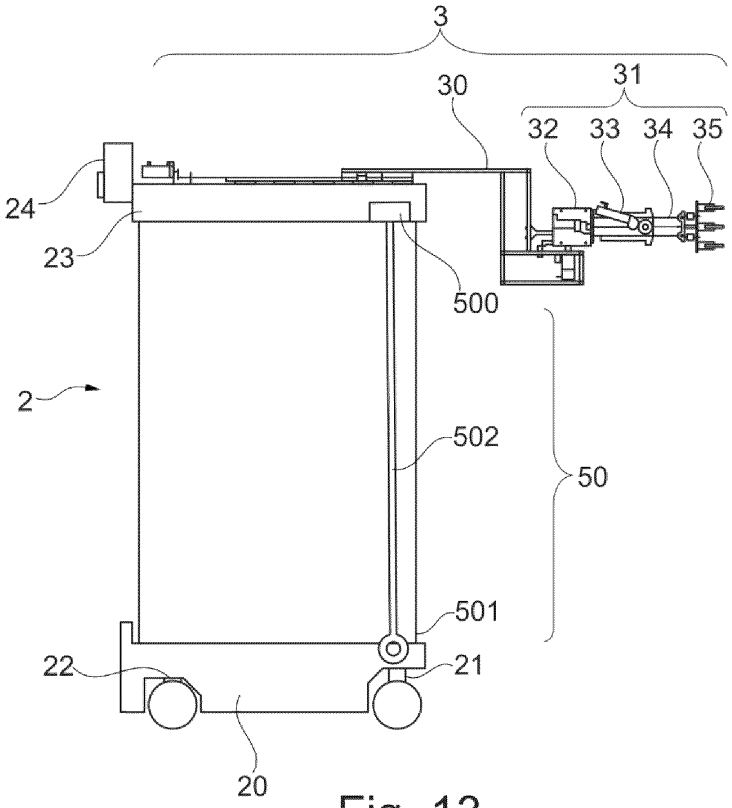


Fig. 13

[Fig 14]

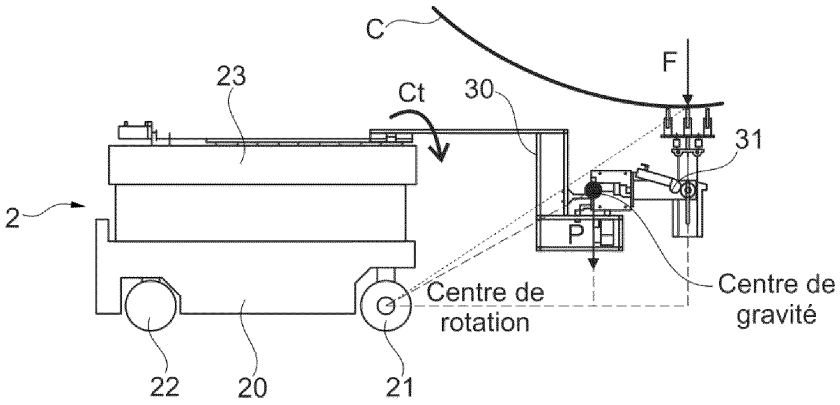


Fig. 14

[Fig 15]

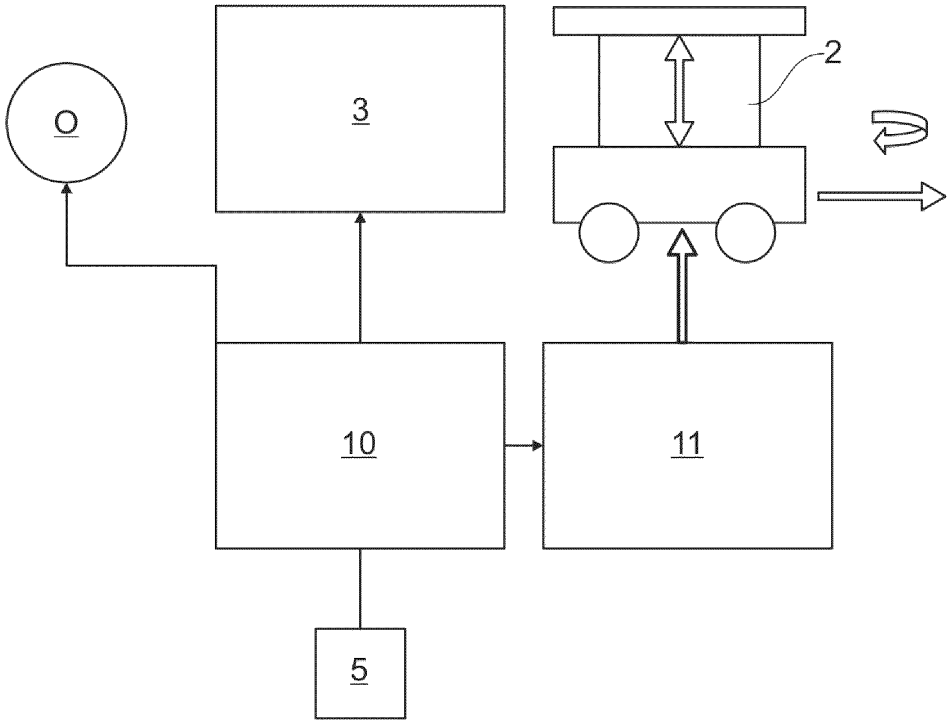


Fig. 15

[Fig 16A]

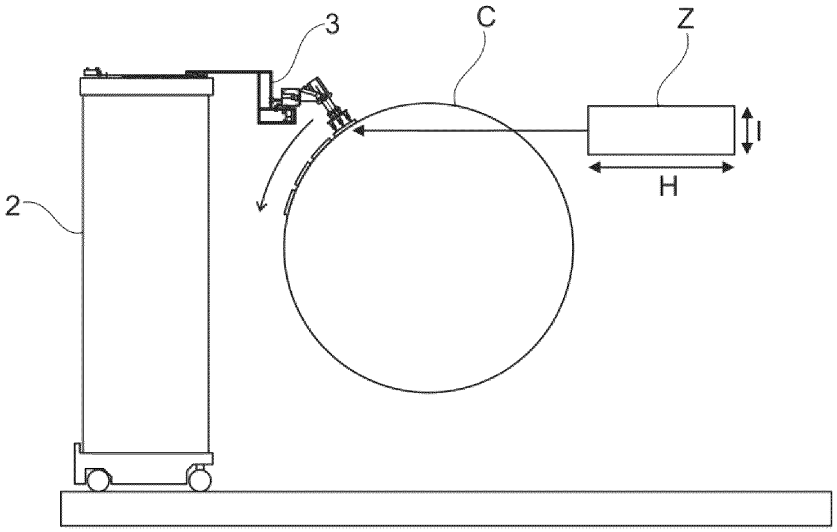


Fig. 16A

[Fig 16B]

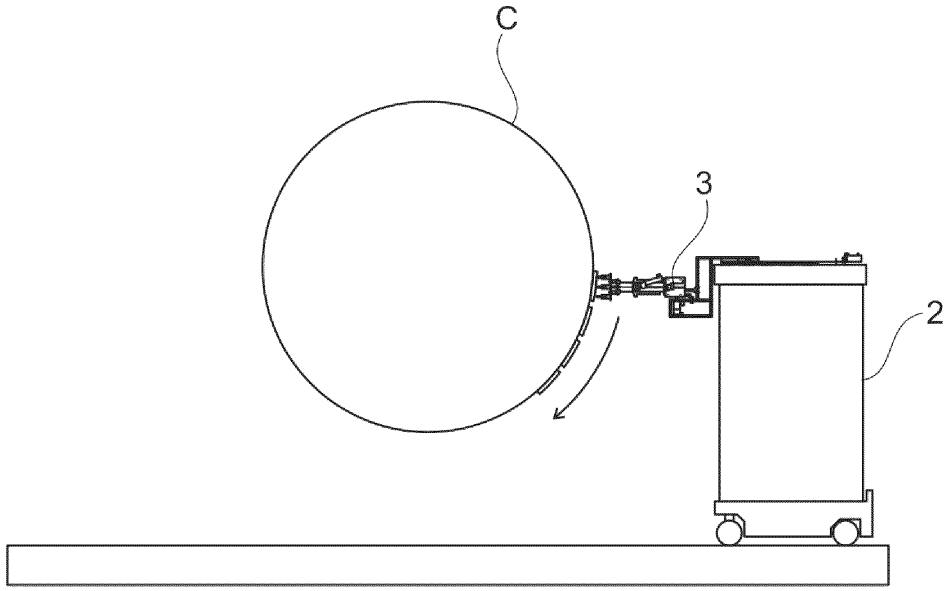


Fig. 16B

[Fig 16C]

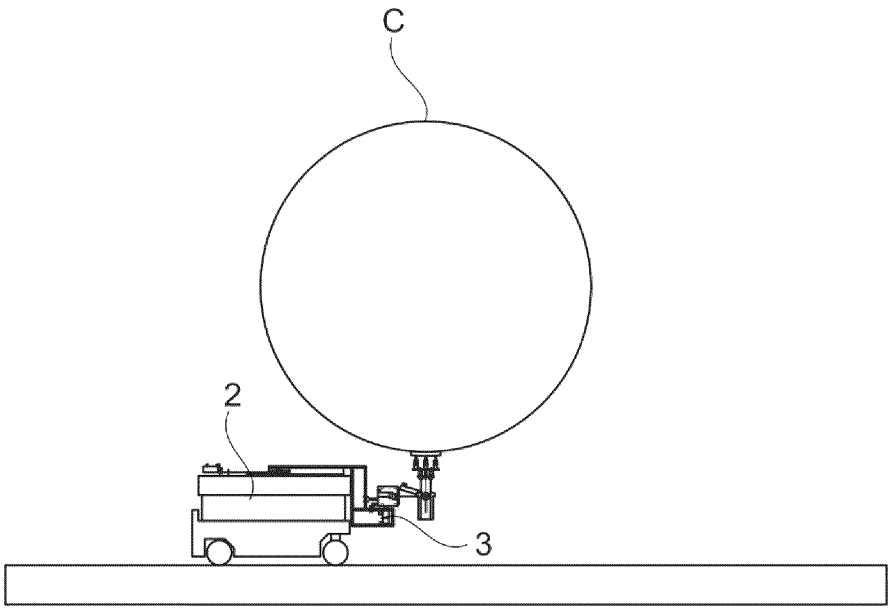


Fig. 16C

[Fig 17]

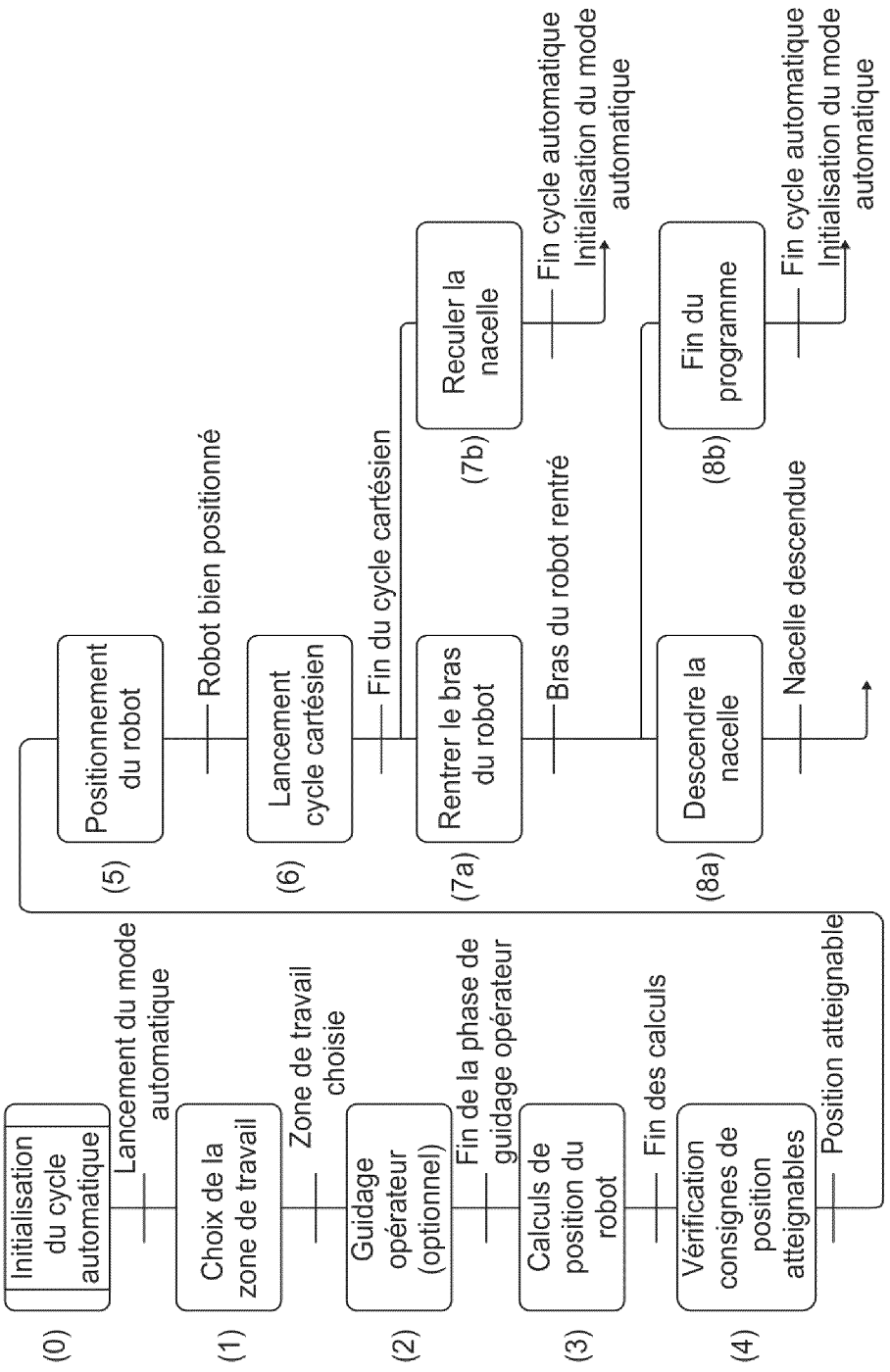

(0)
Initialisation du cycle automatique
Lancement du mode automatique
(1)
Choix de la zone de travail
Zone de travail choisie
(2)
Guidage opérateur (optionnel)
Fin de la phase de guidage opérateur
(3)
Calculs de position du robot
Fin des calculs
(4)
Vérification consignes de position atteignables
Position atteignable
(5)
Positionnement du robot
Robot bien positionné
(6)
Lancement cycle cartésien
Fin du cycle cartésien
(7a)
Rentrer le bras du robot
Bras du robot rentré
(7b)
Reculer la nacelle
Fin cycle automatique
Initialisation du mode automatique
(8a)
Descendre la nacelle
Nacelle descendue
(8b)
Fin du programme
Fin cycle automatique
Initialisation du mode automatique

Fig. 17

[Fig 18A]

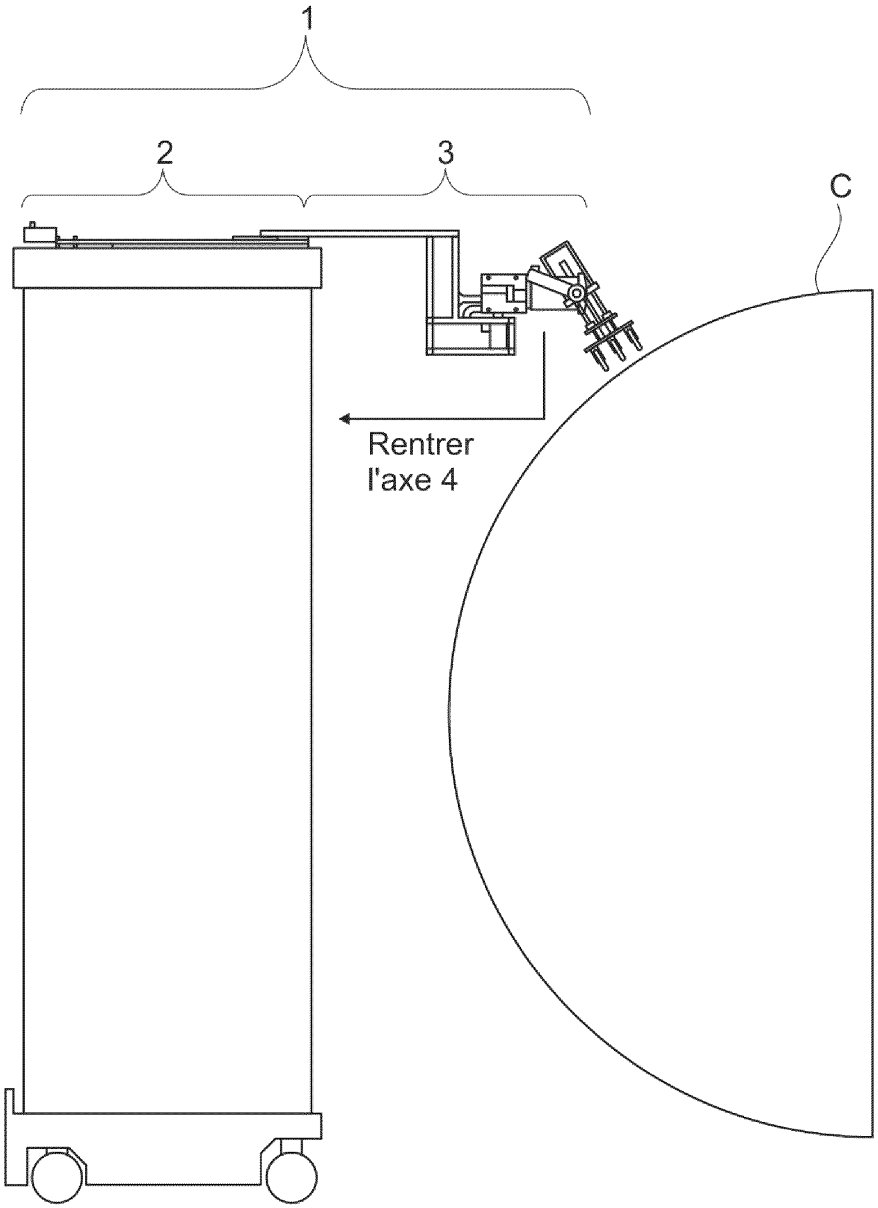


Fig. 18A

[Fig 18B]

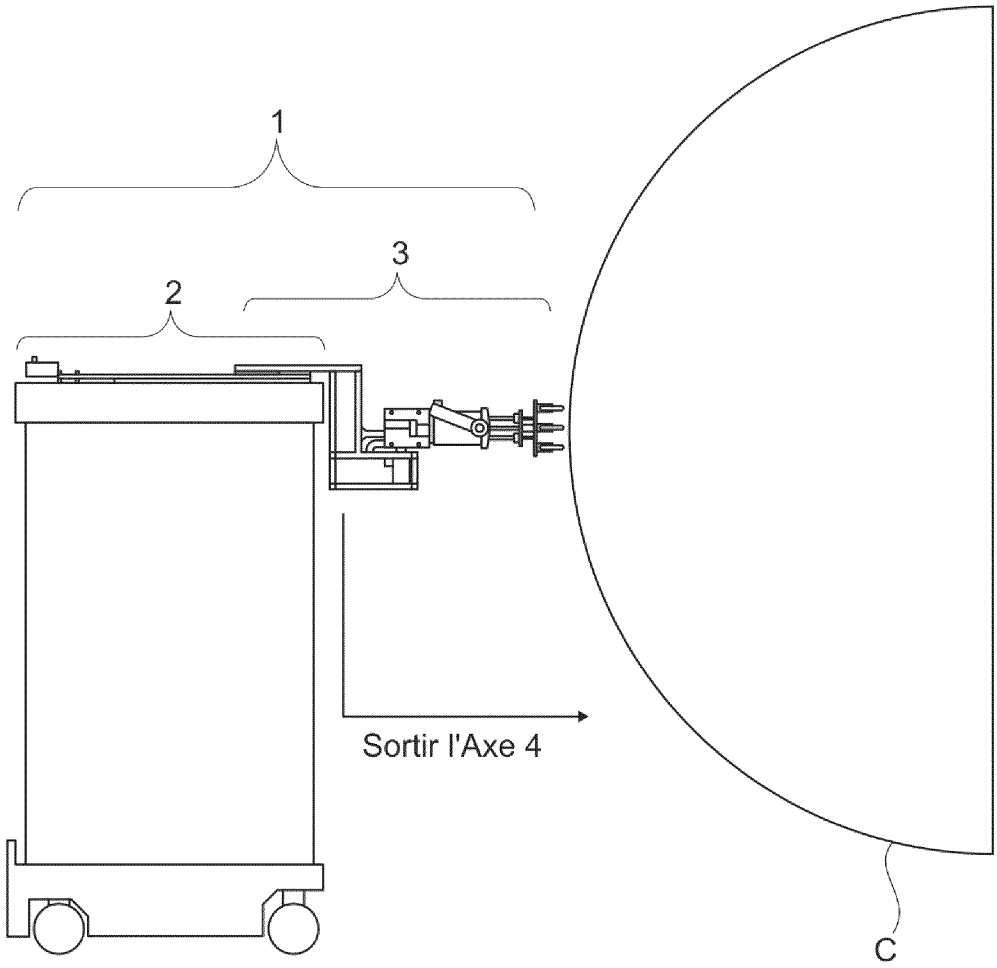


Fig. 18B

[Fig 19A]

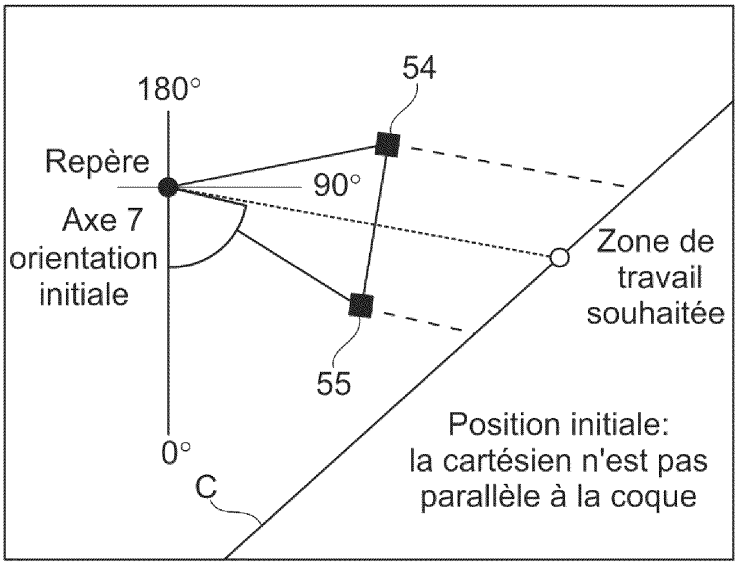


Fig. 19A

[Fig 19B]

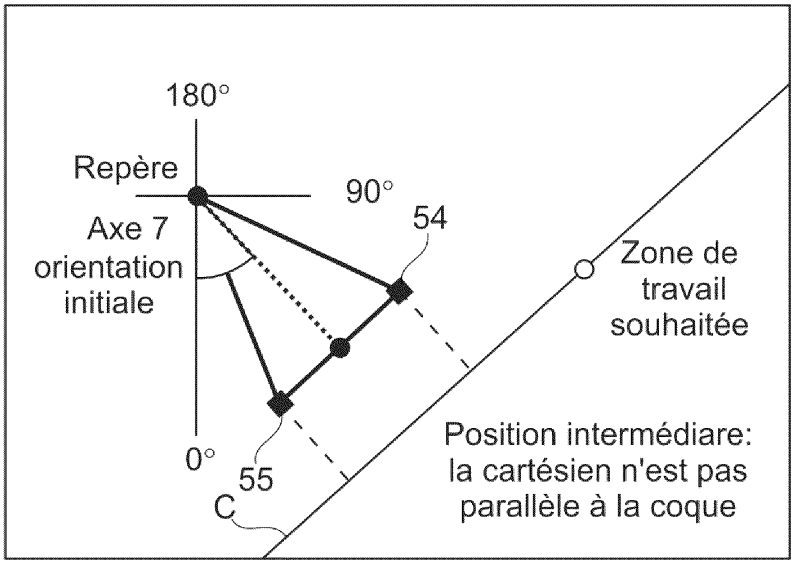


Fig. 19B

[Fig 19C]

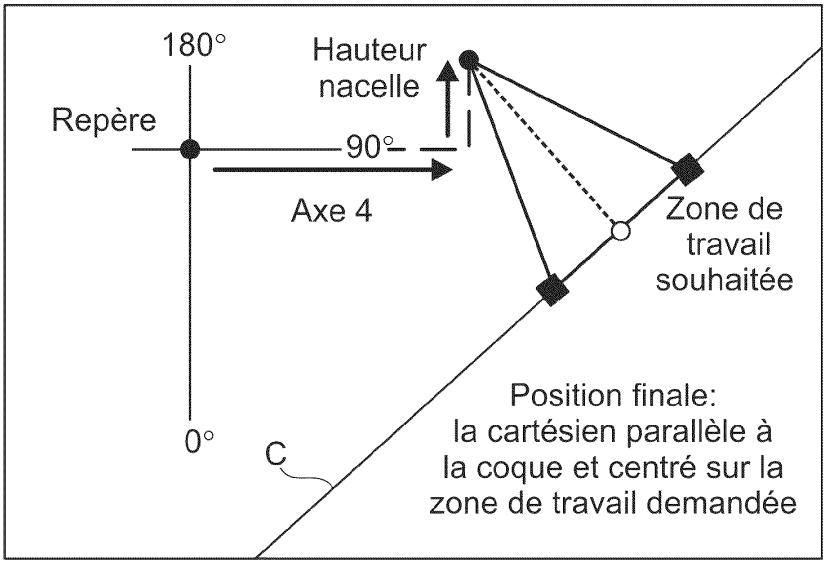


Fig. 19C

[Fig 20]

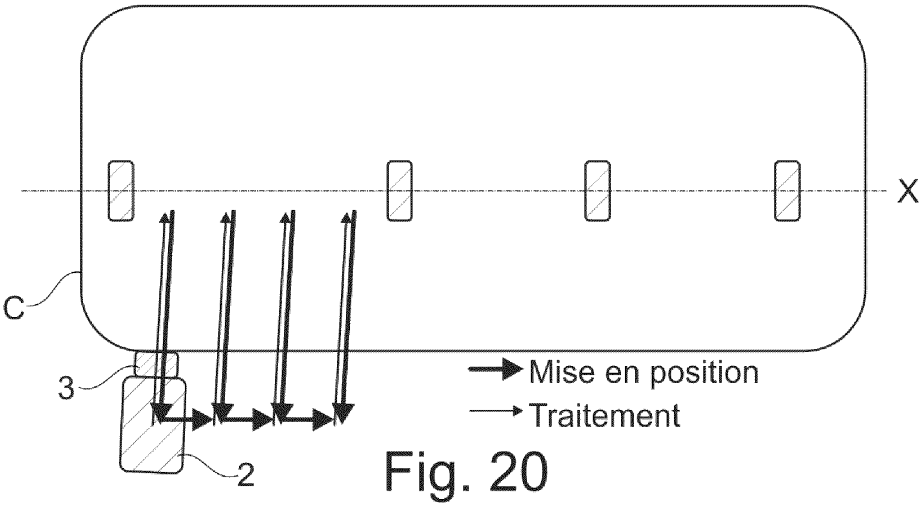


Fig. 20