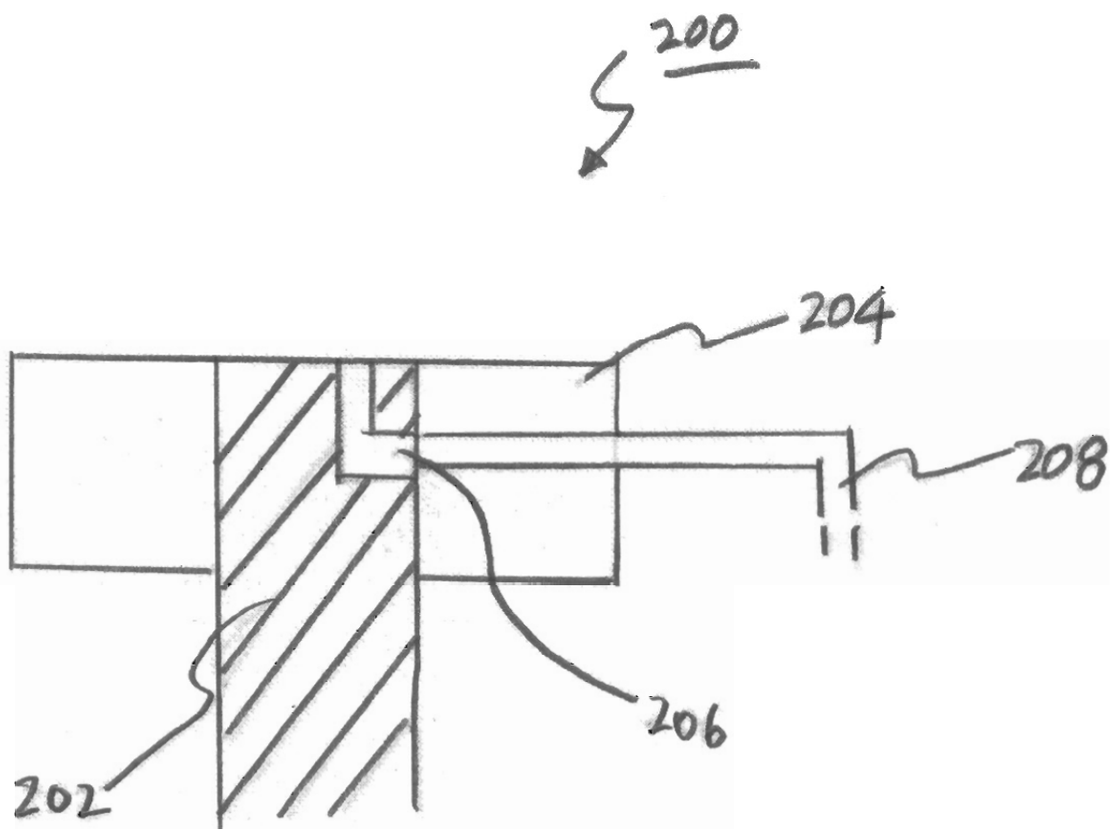


FIG. 1a

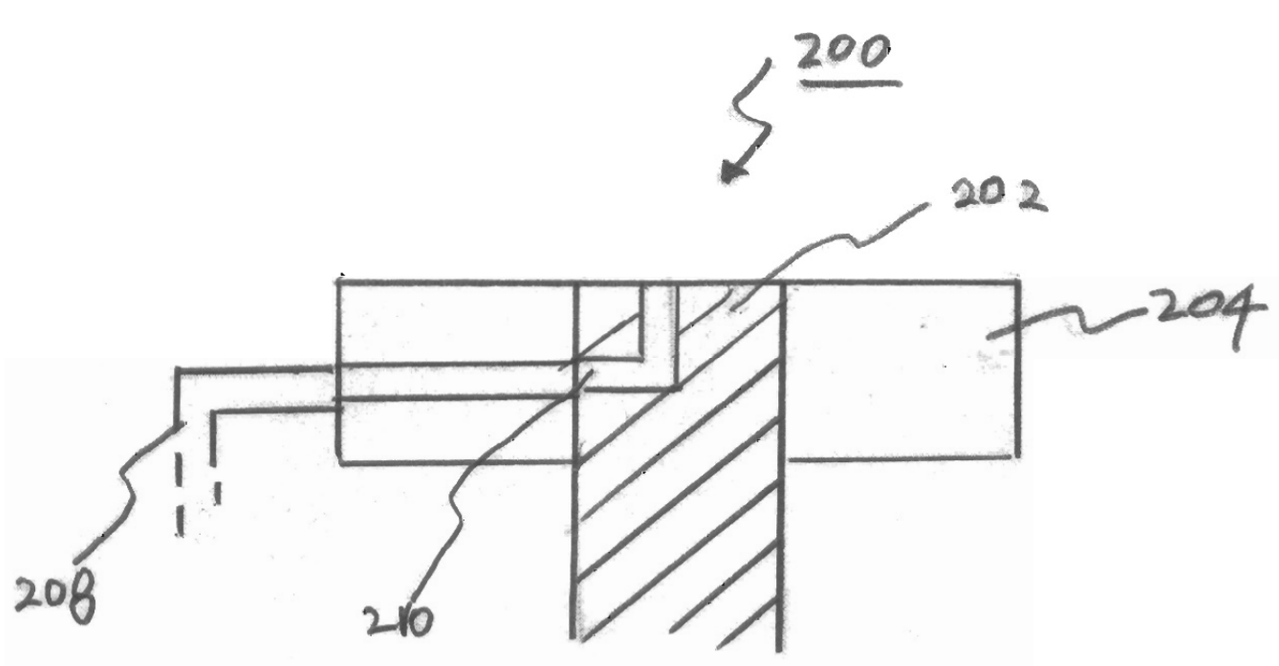


FIG. 1b

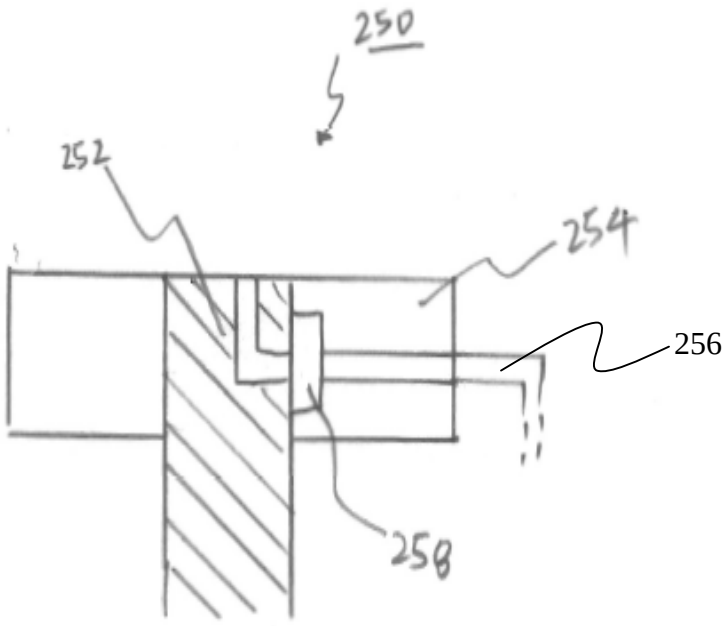


FIG. 2

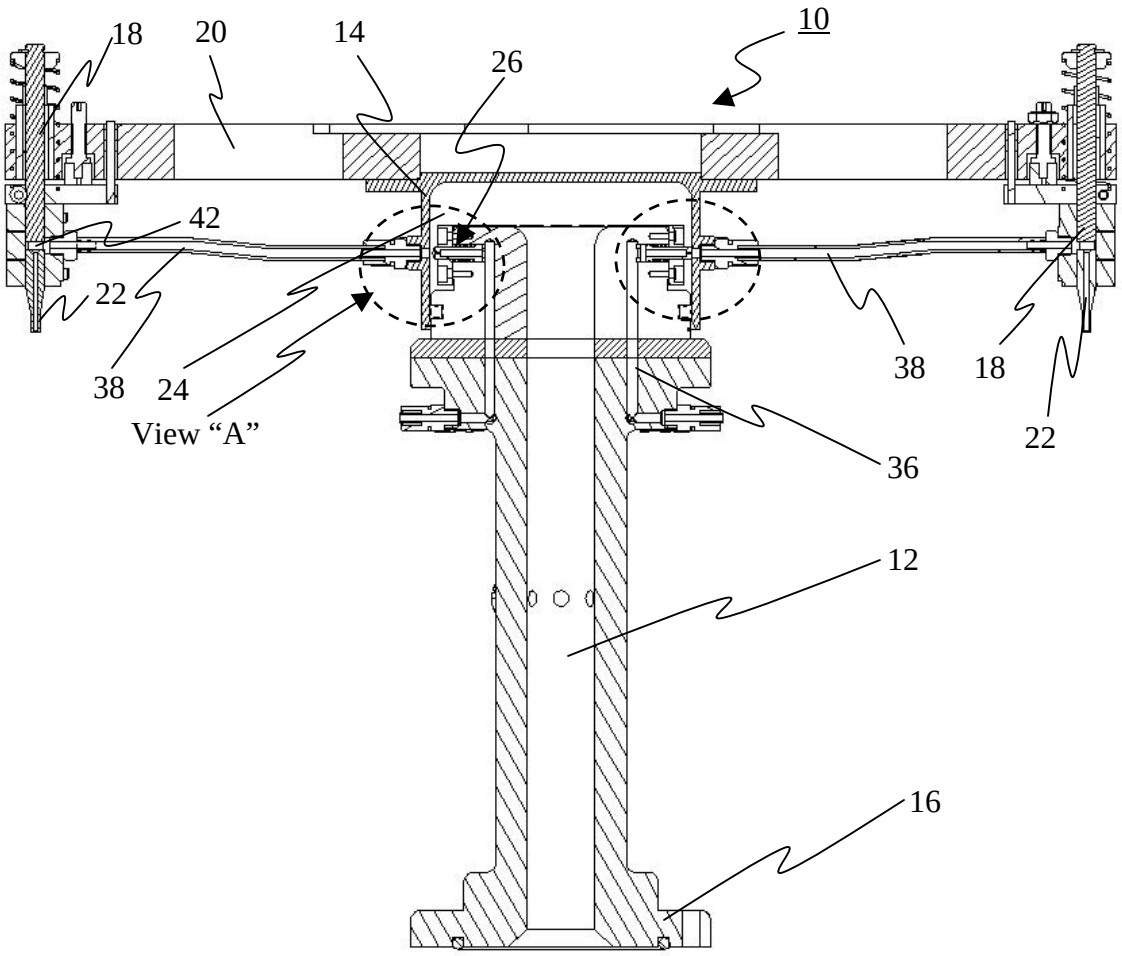


FIG. 3

View “A”

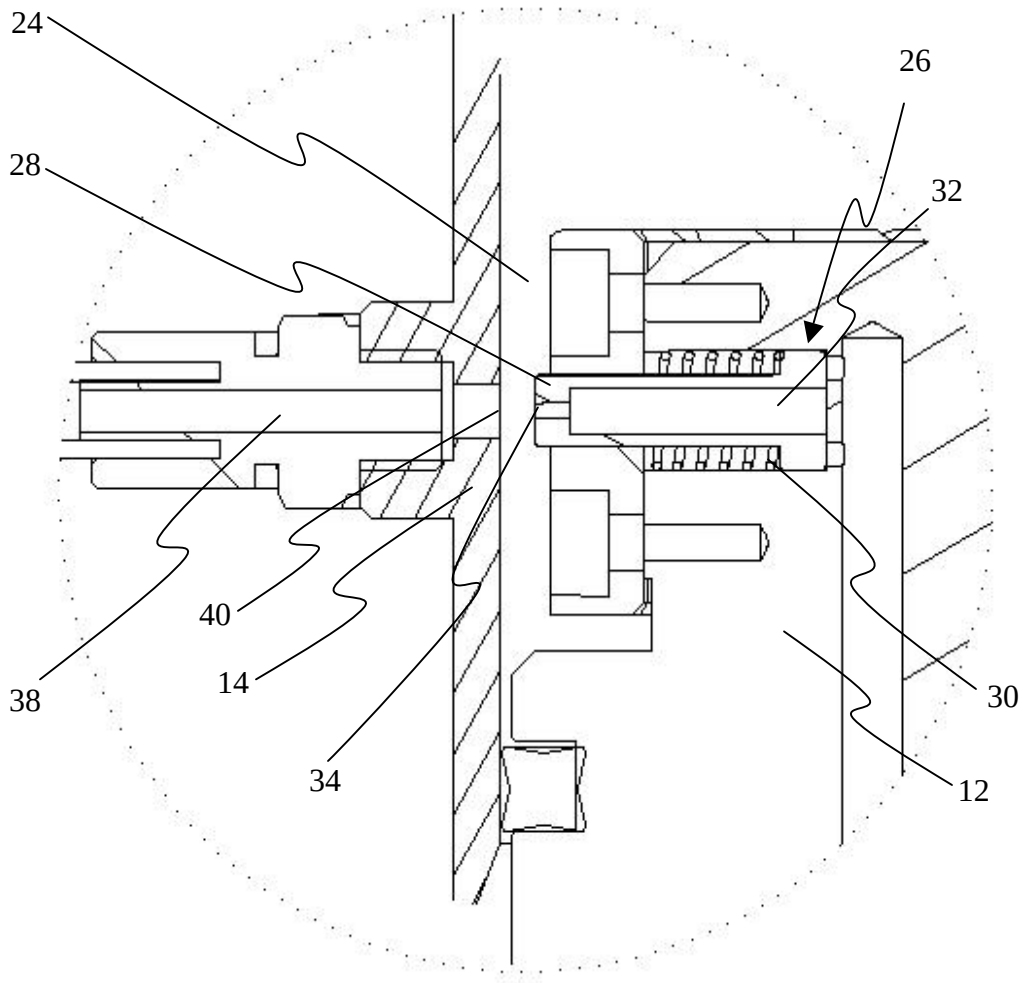


FIG. 4

View “B”

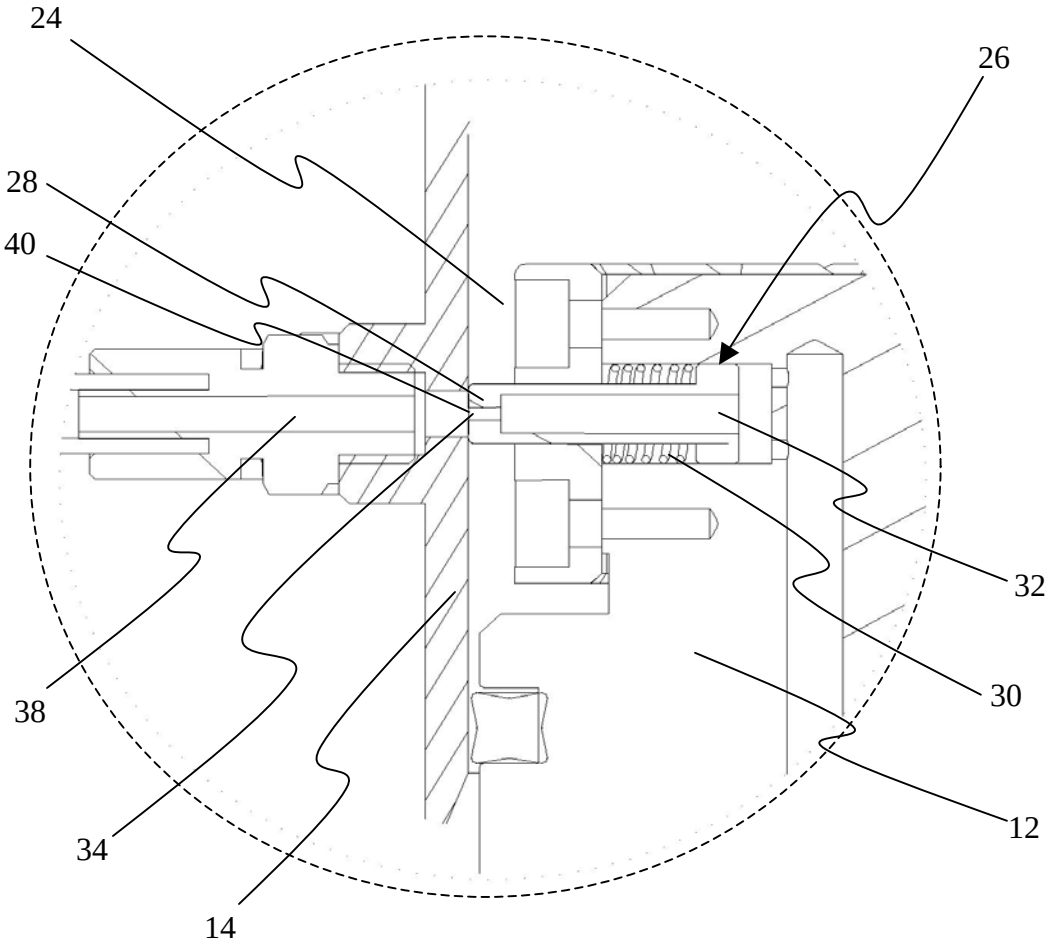


FIG. 5

View “A”

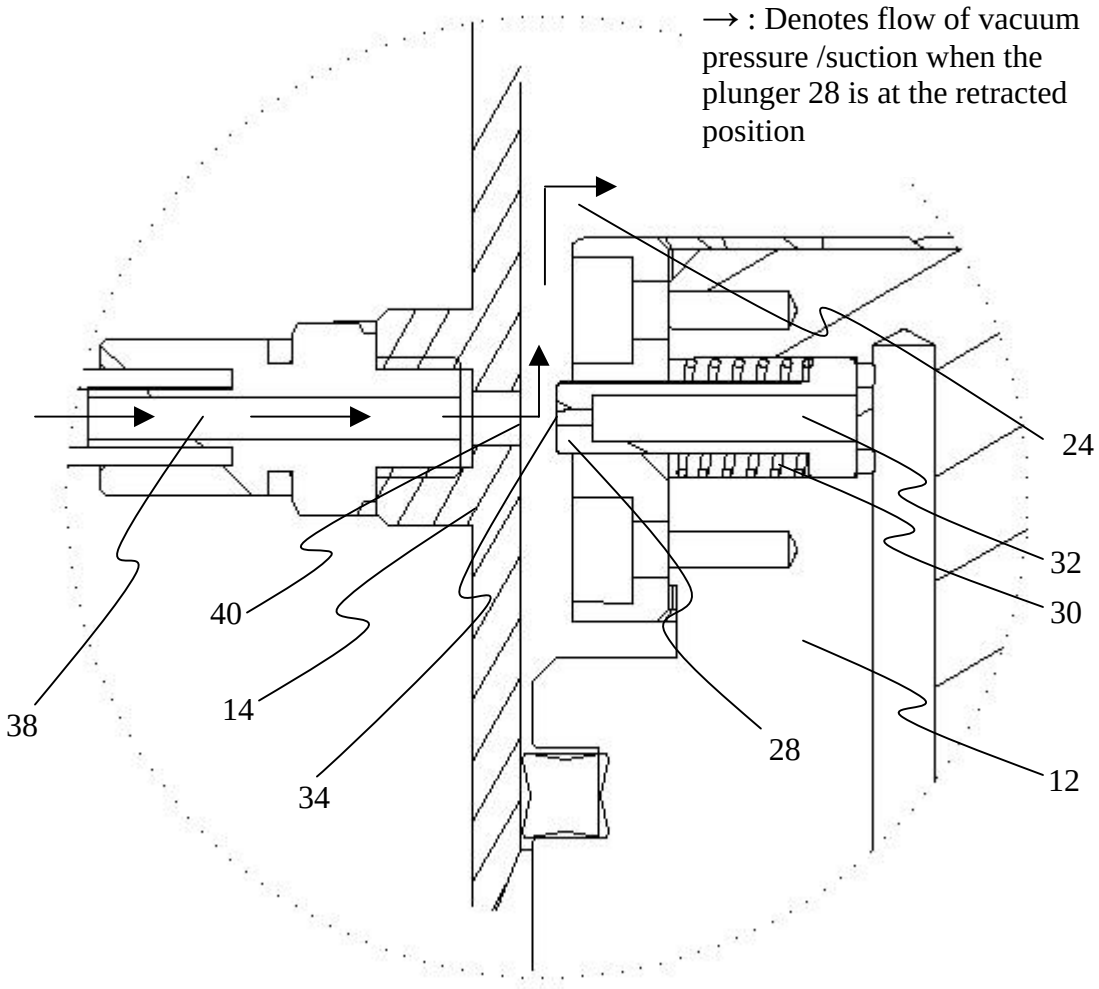

→ : Denotes flow of vacuum pressure /suction when the plunger 28 is at the retracted position
24
32
30
40
14
38
34
28
12

FIG. 6

View “B”

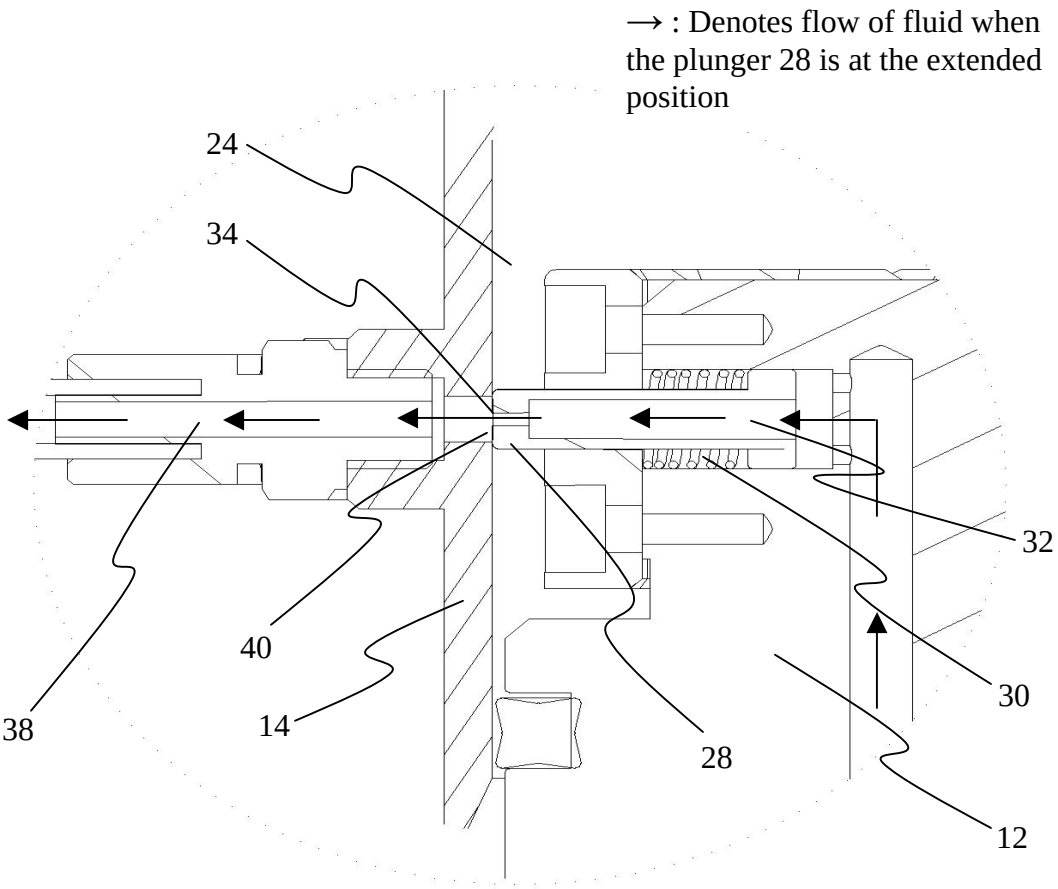

→ : Denotes flow of fluid when the plunger 28 is at the extended position
24
34
32
40
30
38
14
28
12

FIG. 7

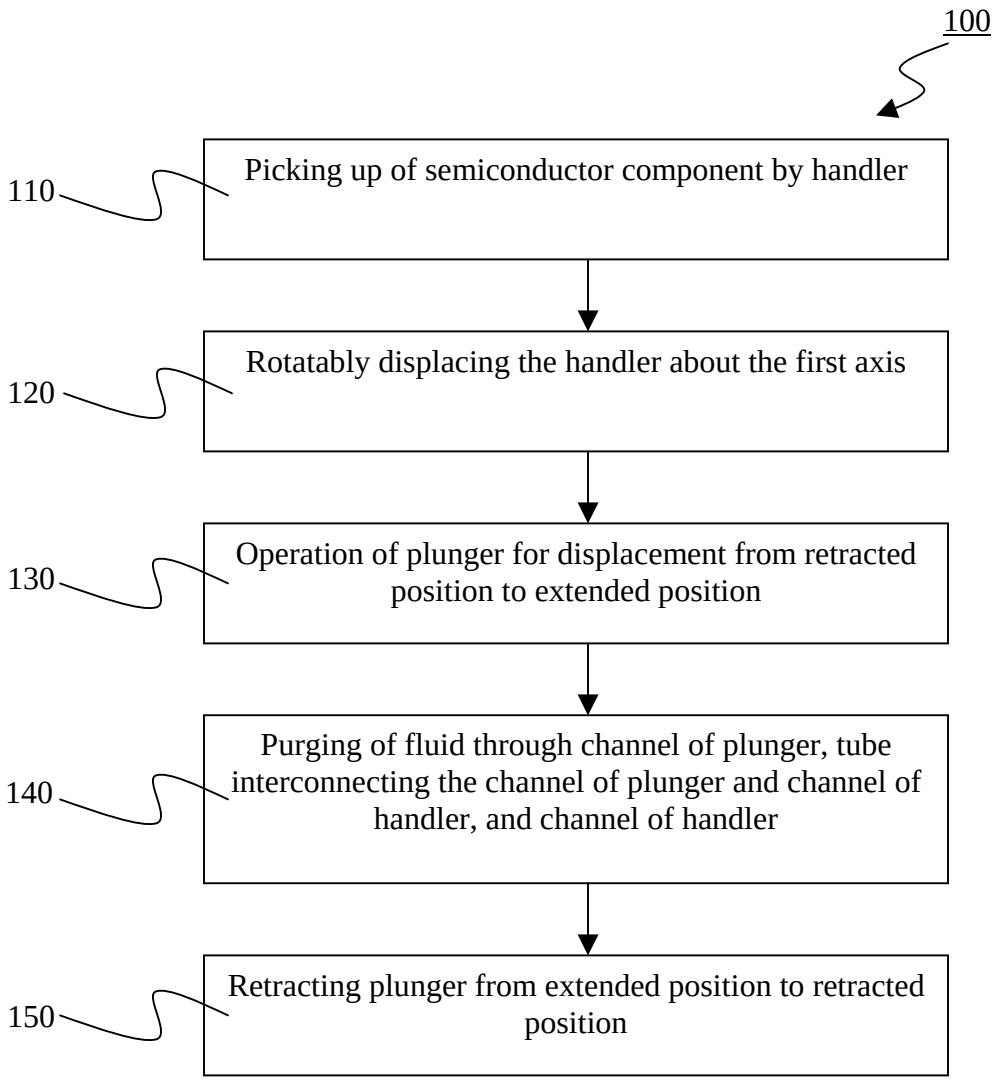

100
110
Picking up of semiconductor component by handler
120
Rotatably displacing the handler about the first axis
130
Operation of plunger for displacement from retracted position to extended position
140
Purging of fluid through channel of plunger, tube interconnecting the channel of plunger and channel of handler, and channel of handler
150
Retracting plunger from extended position to retracted position

FIG. 8