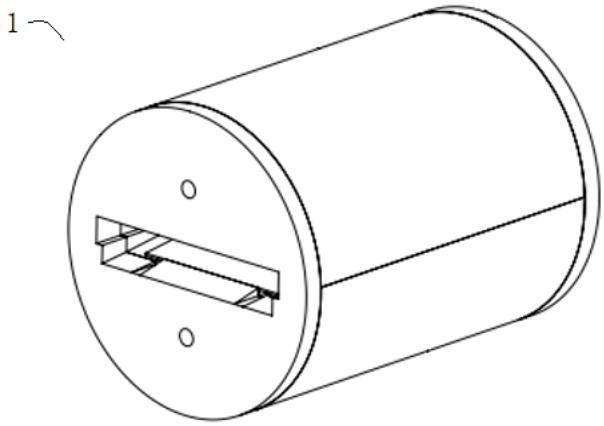


FIG. 1

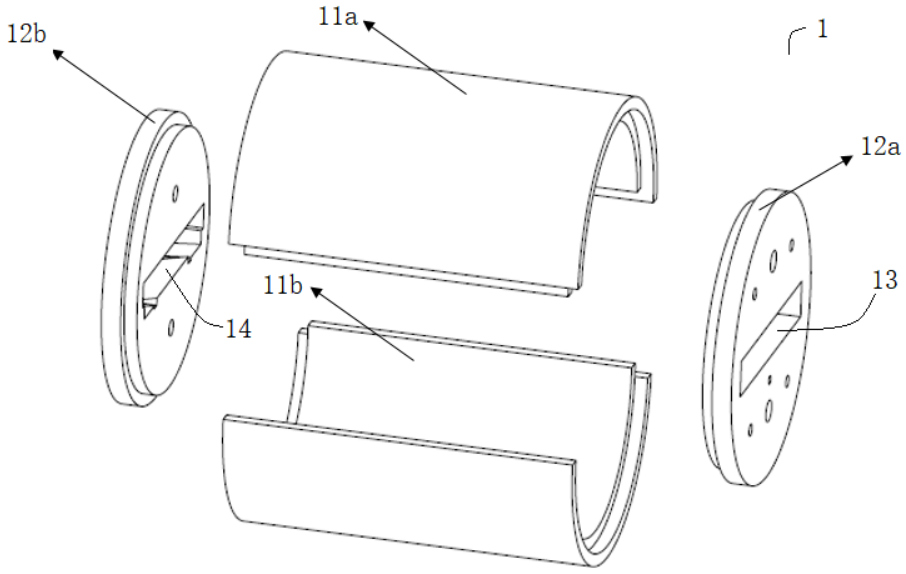


FIG.2

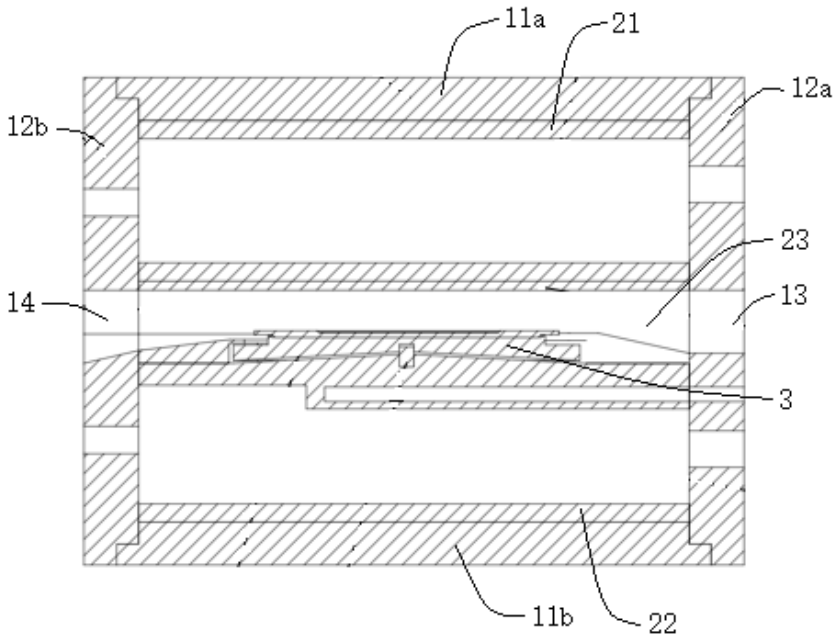


FIG. 3A

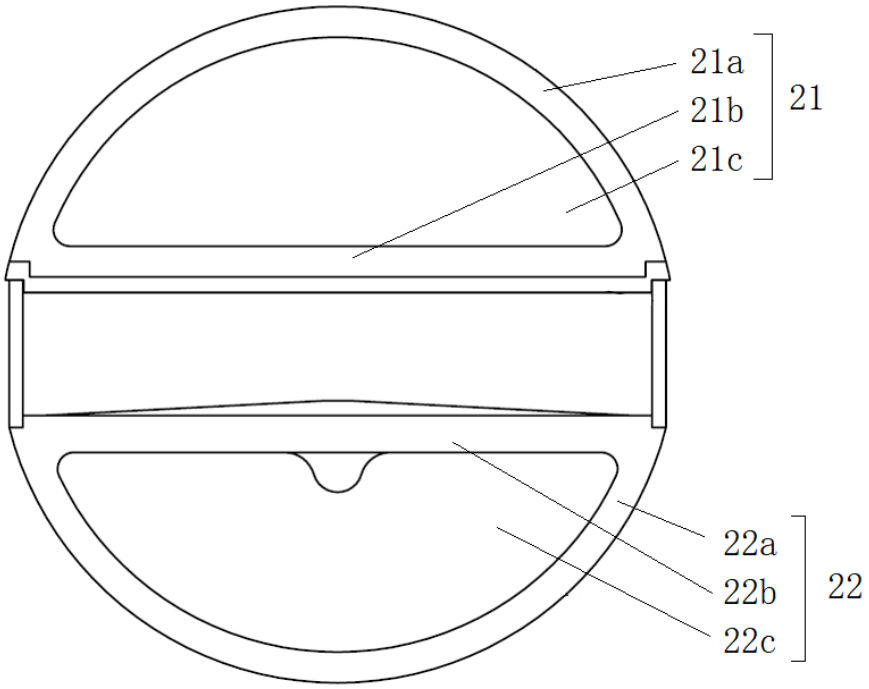


FIG. 3B

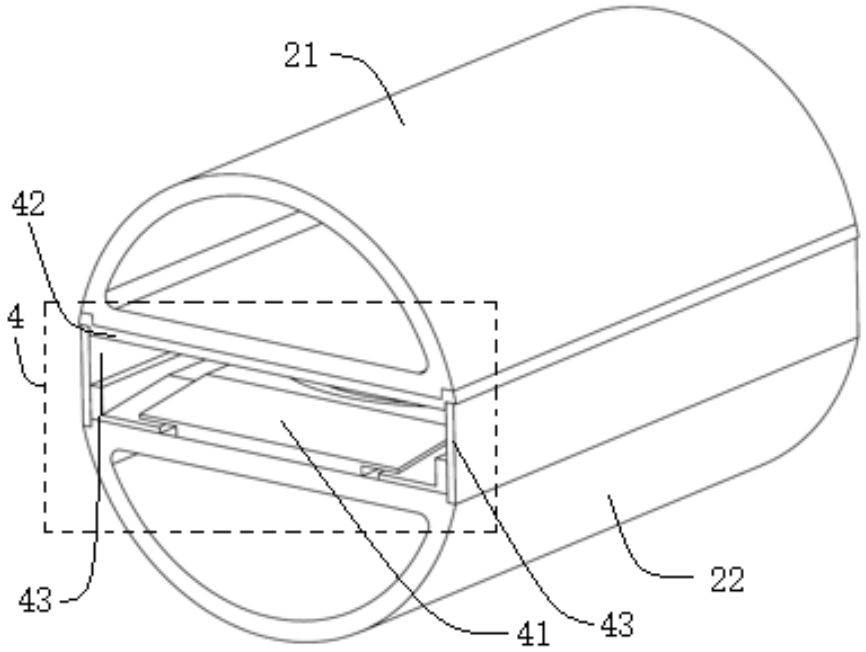


FIG. 4

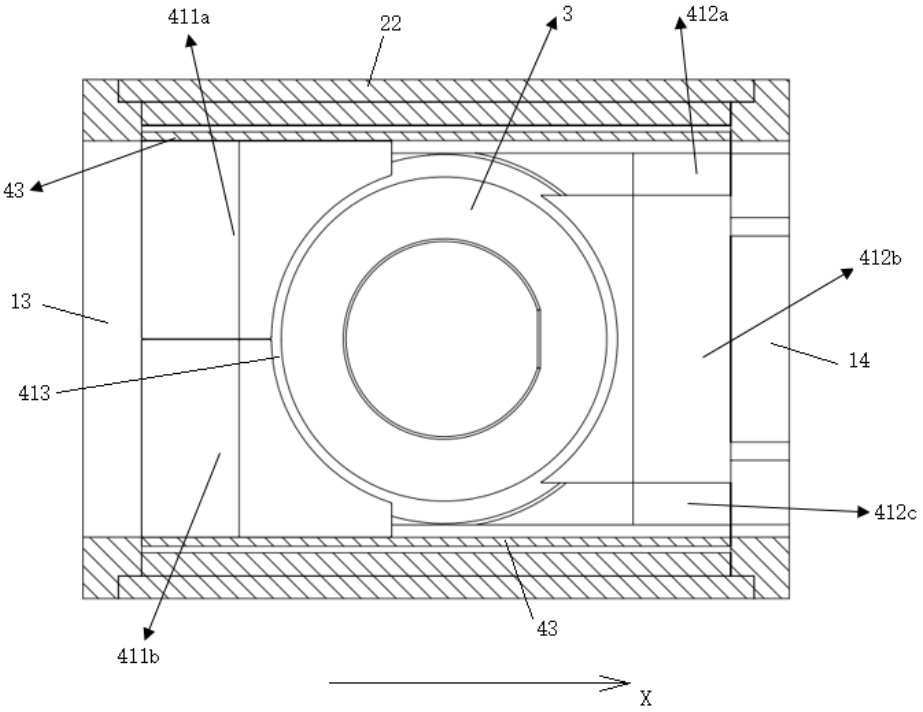


FIG. 5

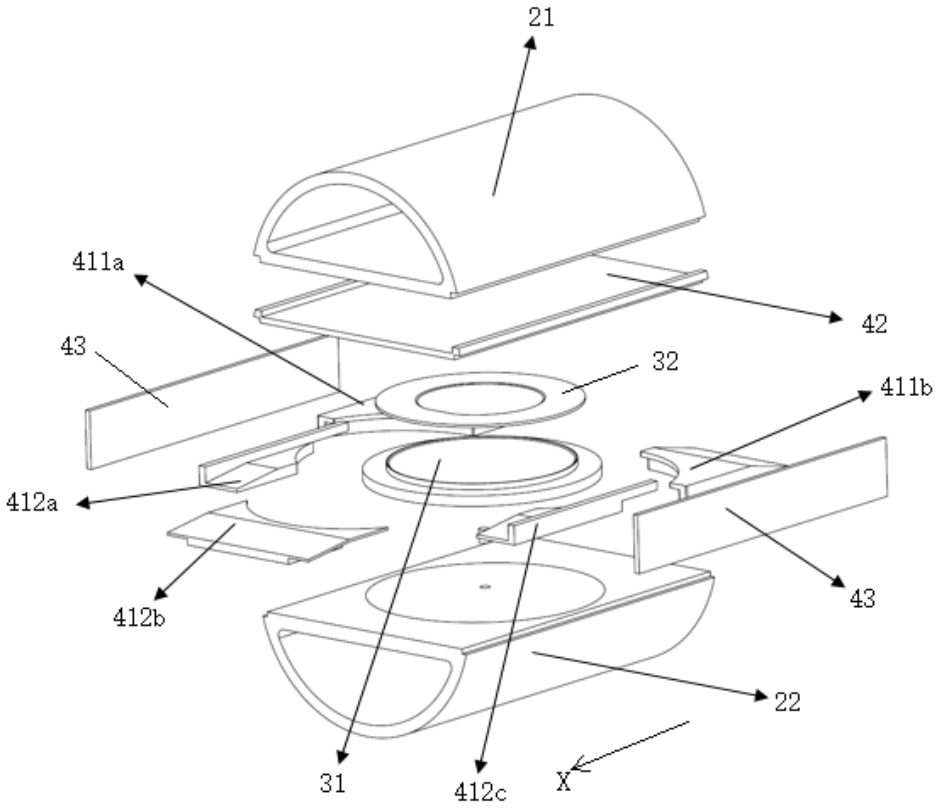

21
411a
42
43
32
411b
412a
43
412b
22
31
412c
X

FIG. 6

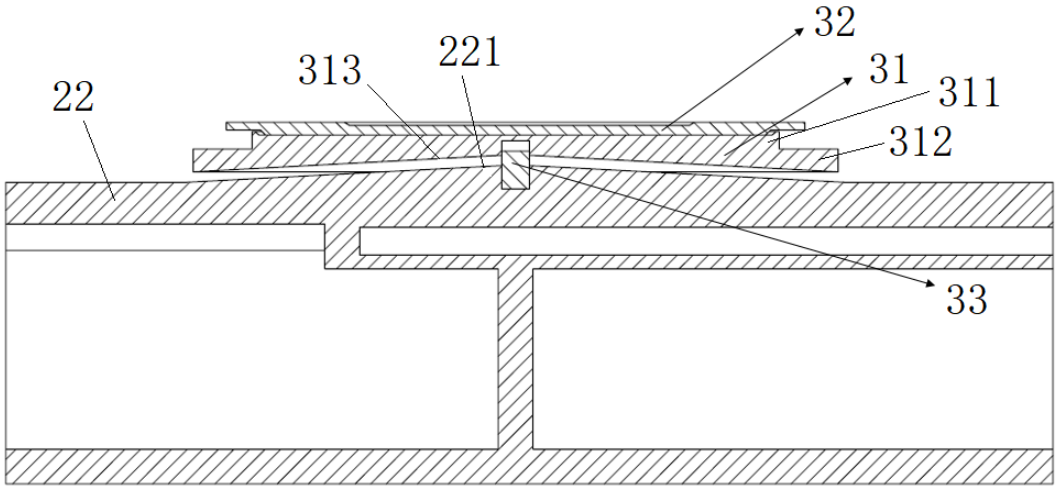

32
313
221
31
311
22
312
33

FIG. 7

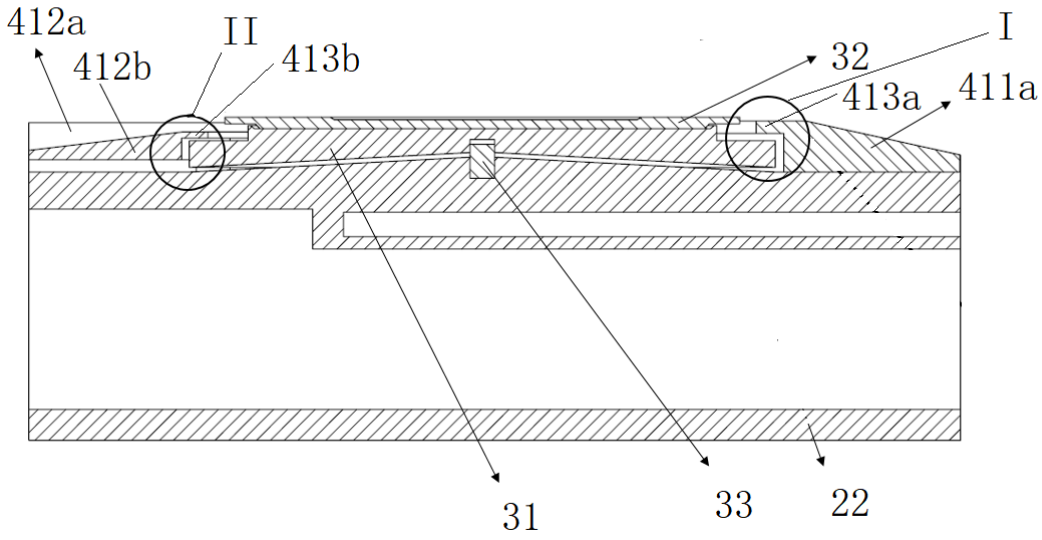


FIG. 8

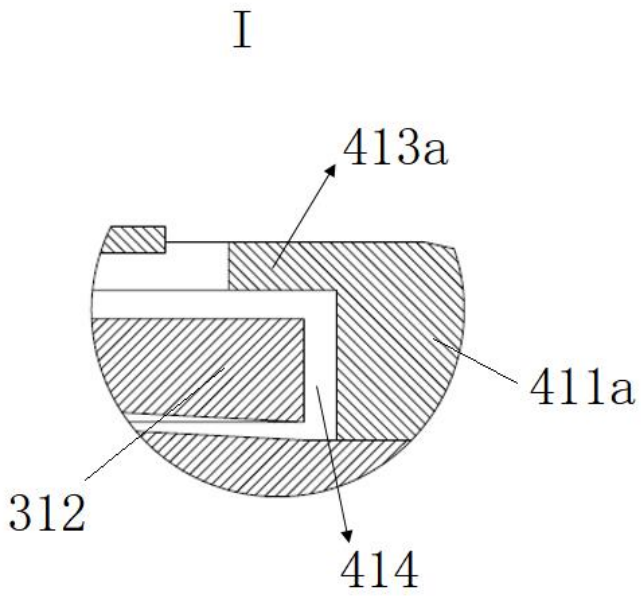


FIG. 9

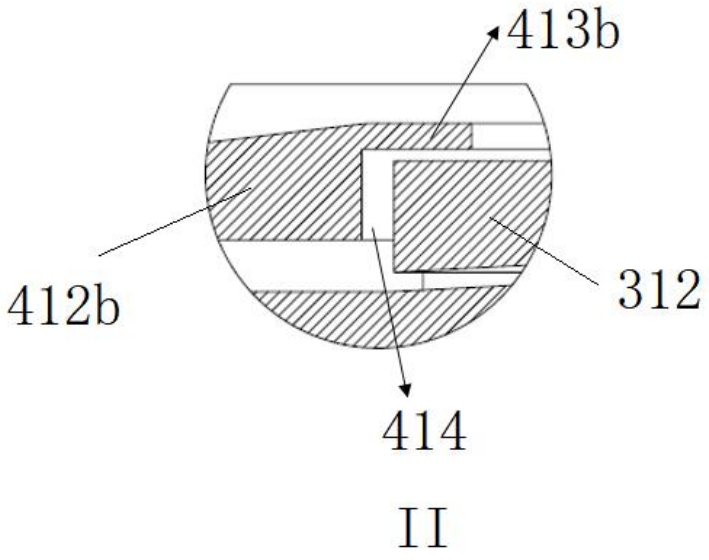


FIG. 10

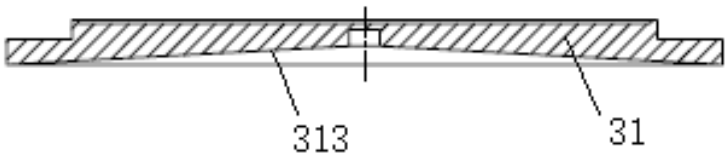


FIG. 11

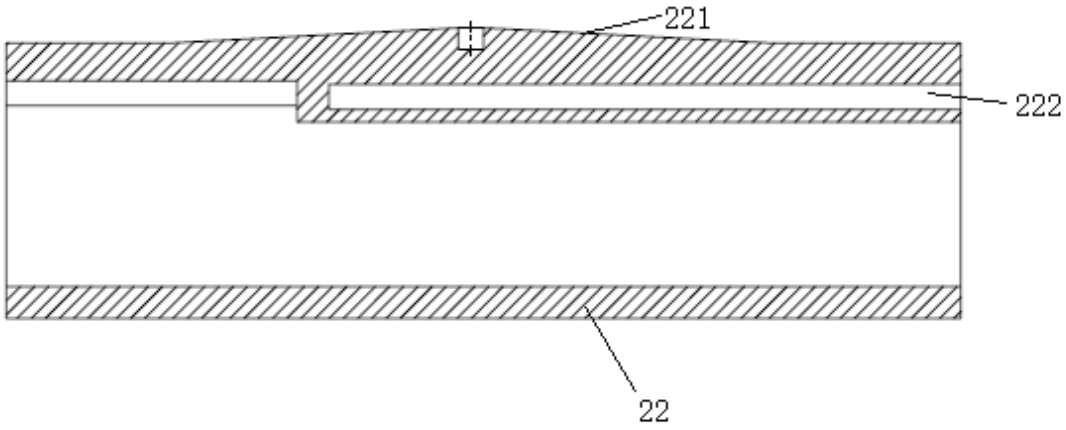


FIG. 12

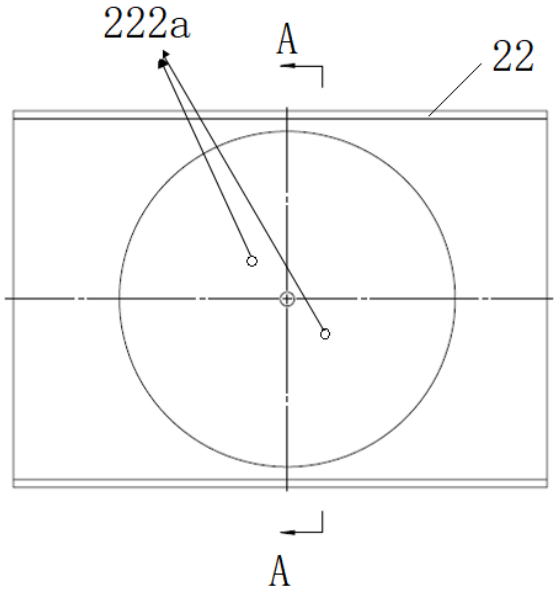


FIG. 13

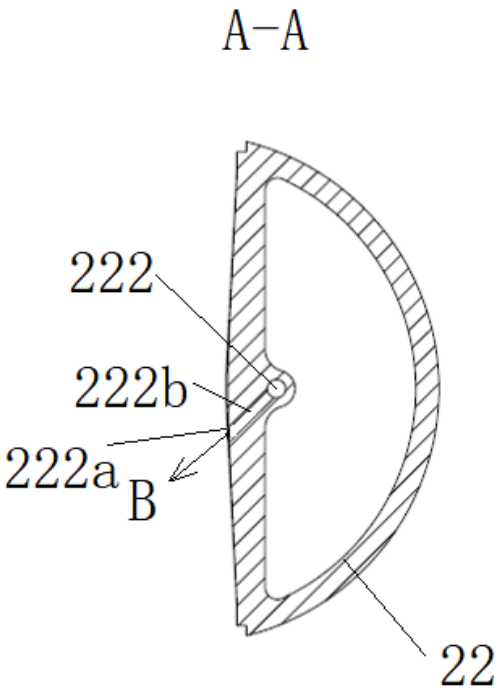


FIG. 14

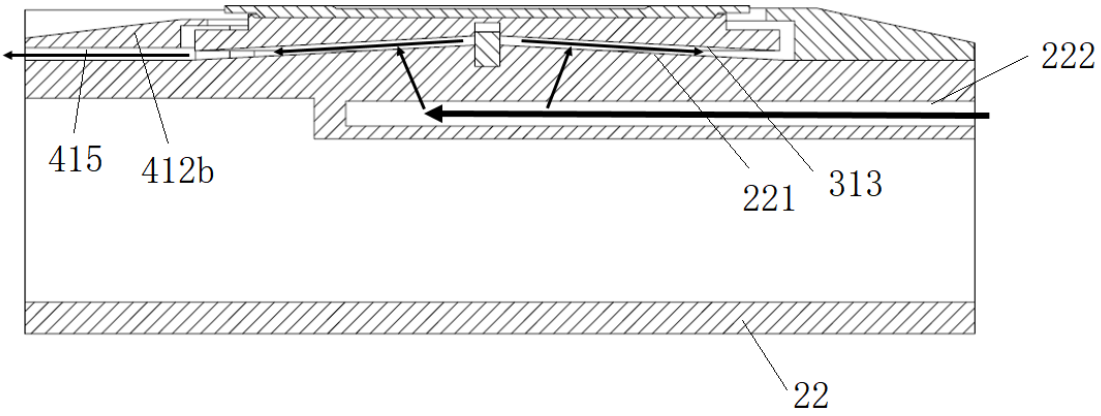


FIG. 15

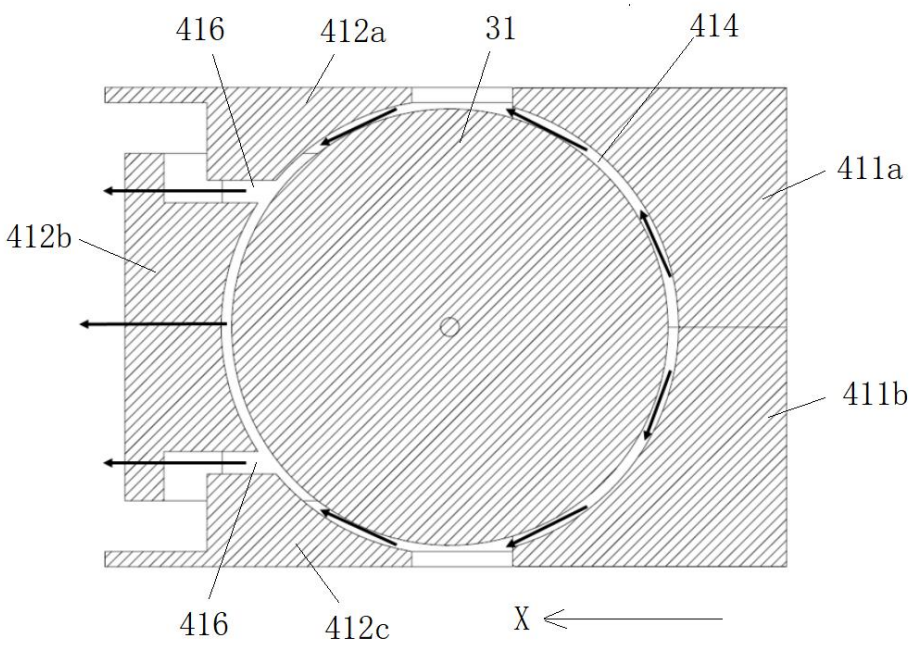

416
412a
31
414
411a
412b
411b
416
412c
X

FIG. 16

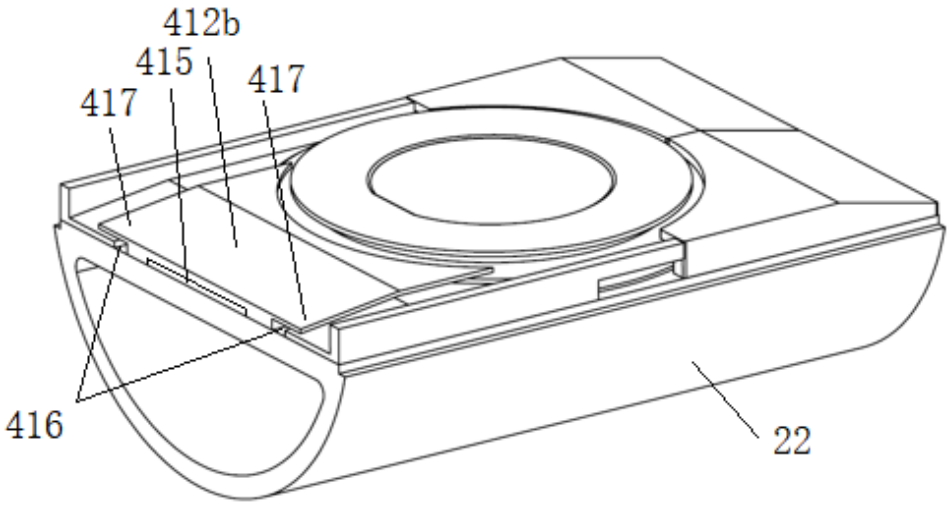

412b
415
417
417
416
22

FIG. 17

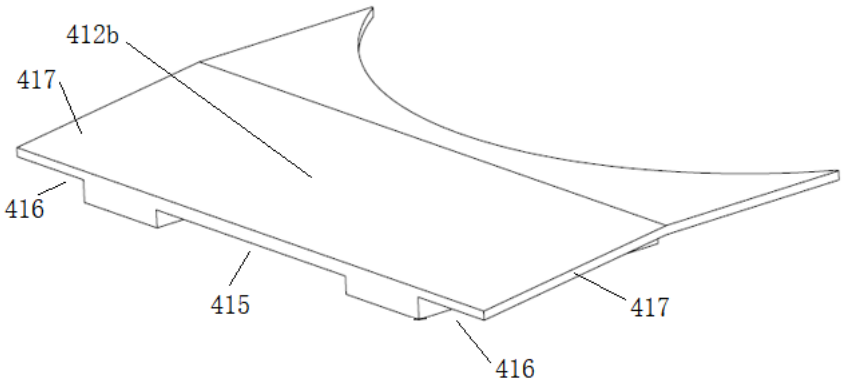


FIG. 18

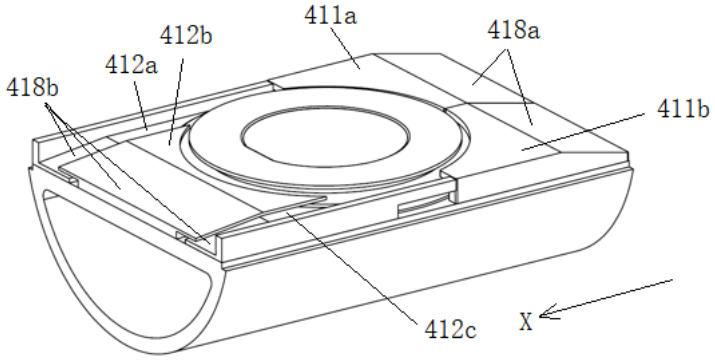


FIG. 19

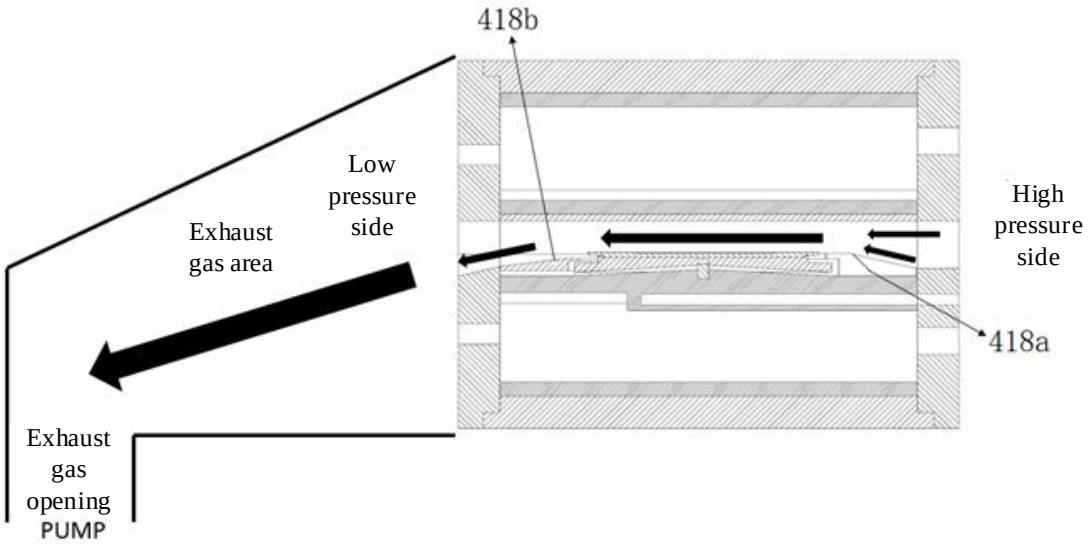

418b
Low pressure side
Exhaust gas area
High pressure side
418a
Exhaust gas opening
PUMP

FIG. 20

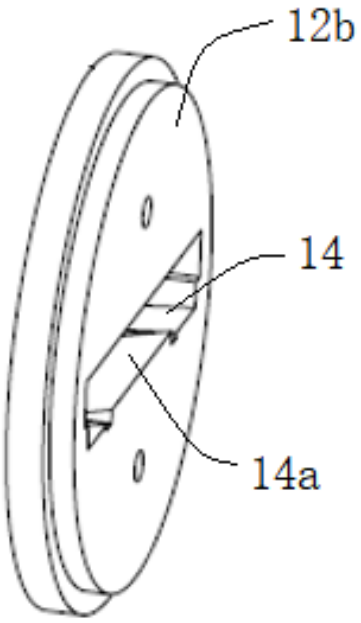

12b
14
14a

FIG. 21

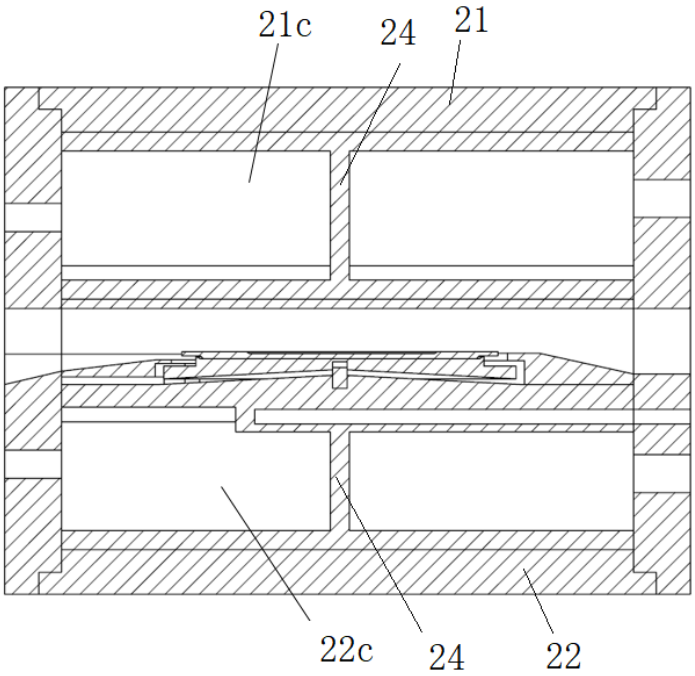


FIG. 22