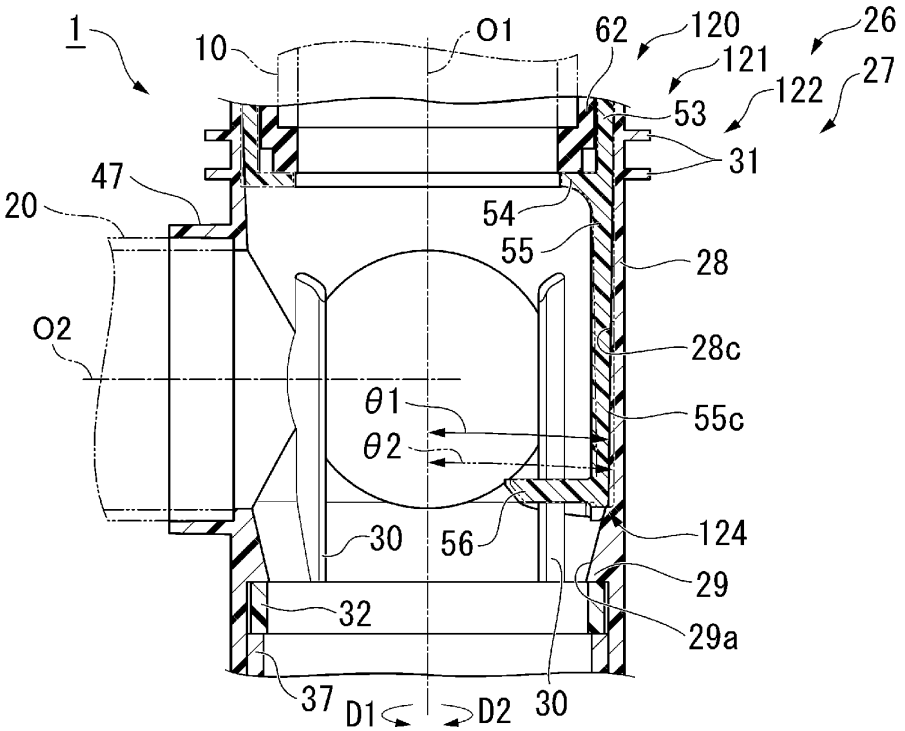
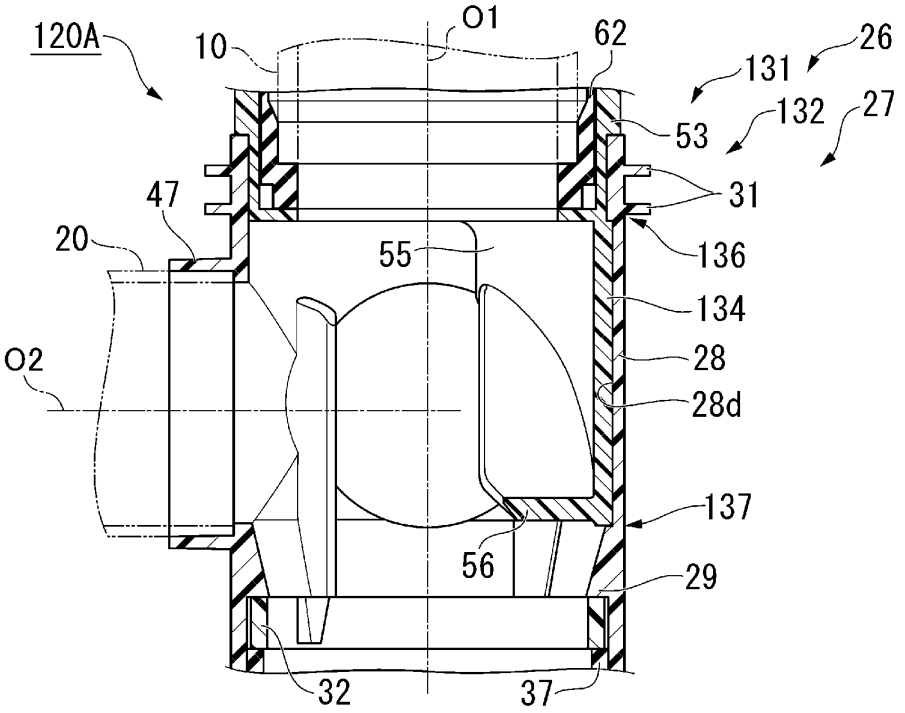
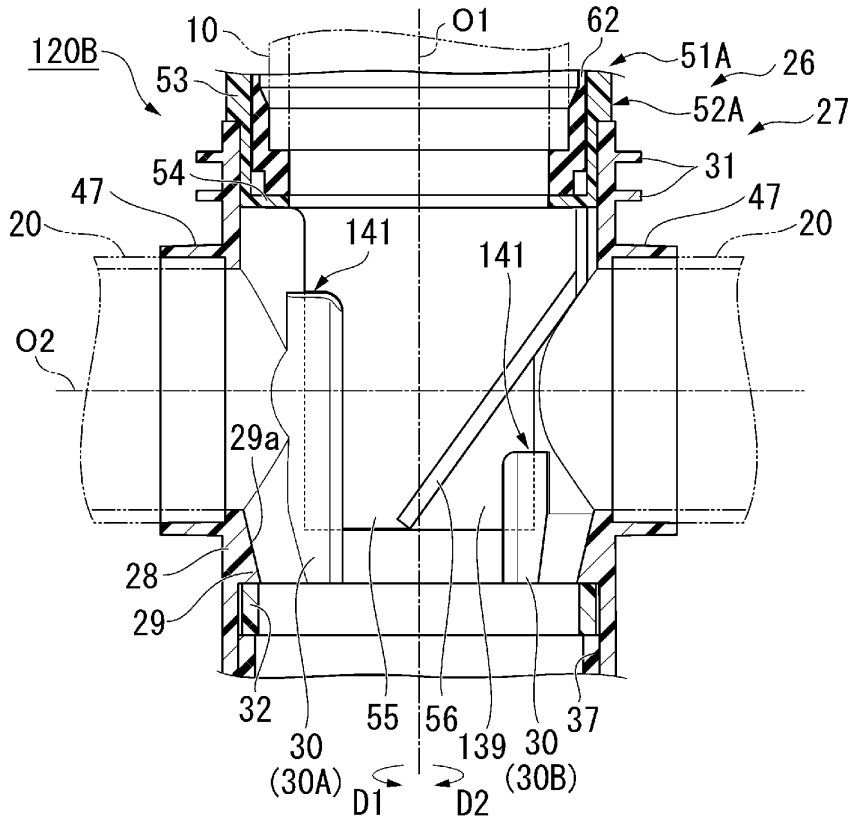
[図1]


1
10
O1
62
120
121
122
26
27
53
31
47
20
54
55
28
O2
28c
θ1
θ2
55c
30
56
124
29
32
29a
37
D1
D2
30

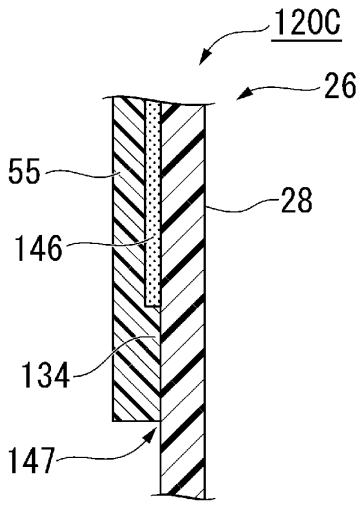
[図2]


120A
10
O1
62
131
26
132
27
53
31
47
20
55
136
134
O2
28
28d
137
56
29
32
37

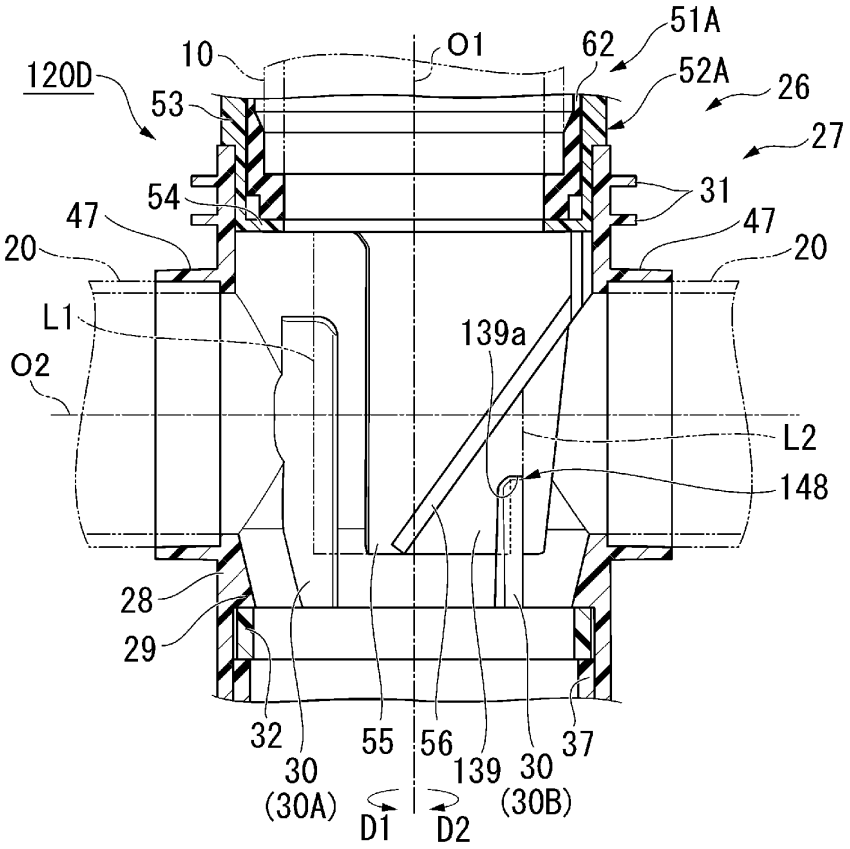
[図3]


120B
10
O1
62
51A
26
53
52A
27
54
31
47
47
20
20
141
141
O2
29a
28
29
32
55
56
139
30
37
30
(30A)
(30B)
D1
D2

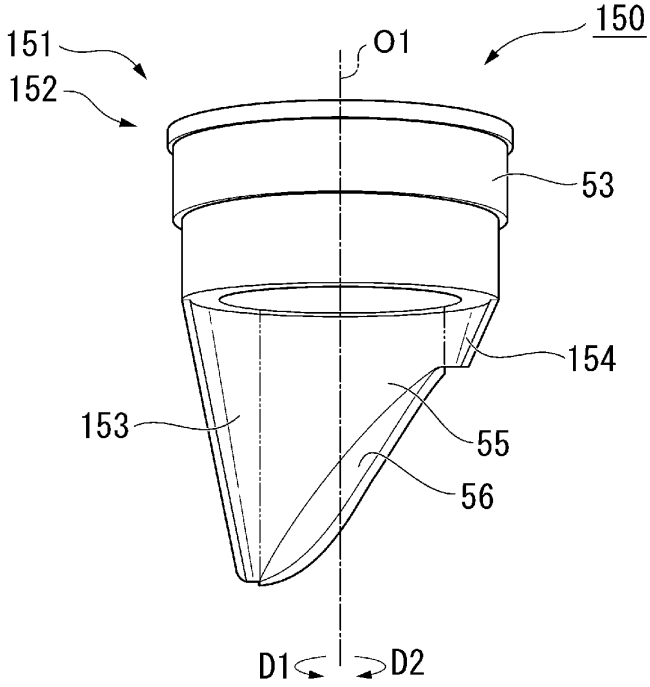
[図4]


120C
26
55
28
146
134
147

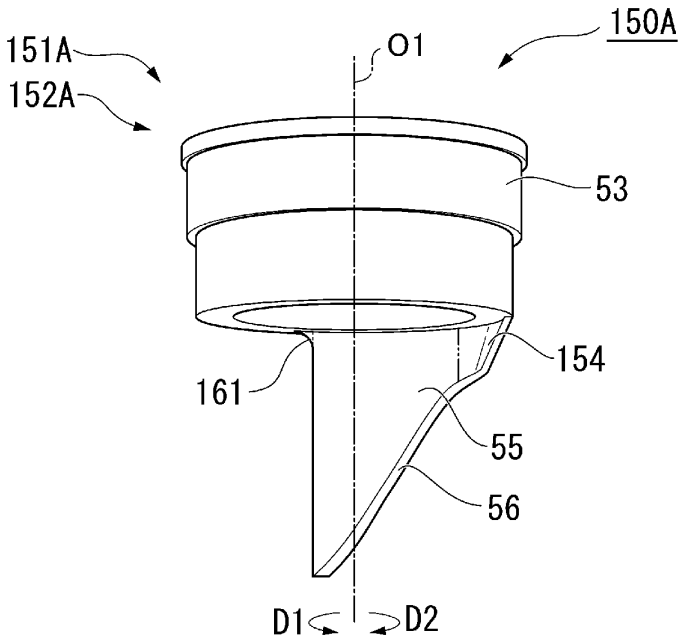
[図5]


120D
10
O1
62
51A
52A
26
27
53
54
31
47
47
20
20
L1
139a
O2
L2
148
28
29
32
30
(30A)
55
56
139
30
(30B)
37
D1
D2

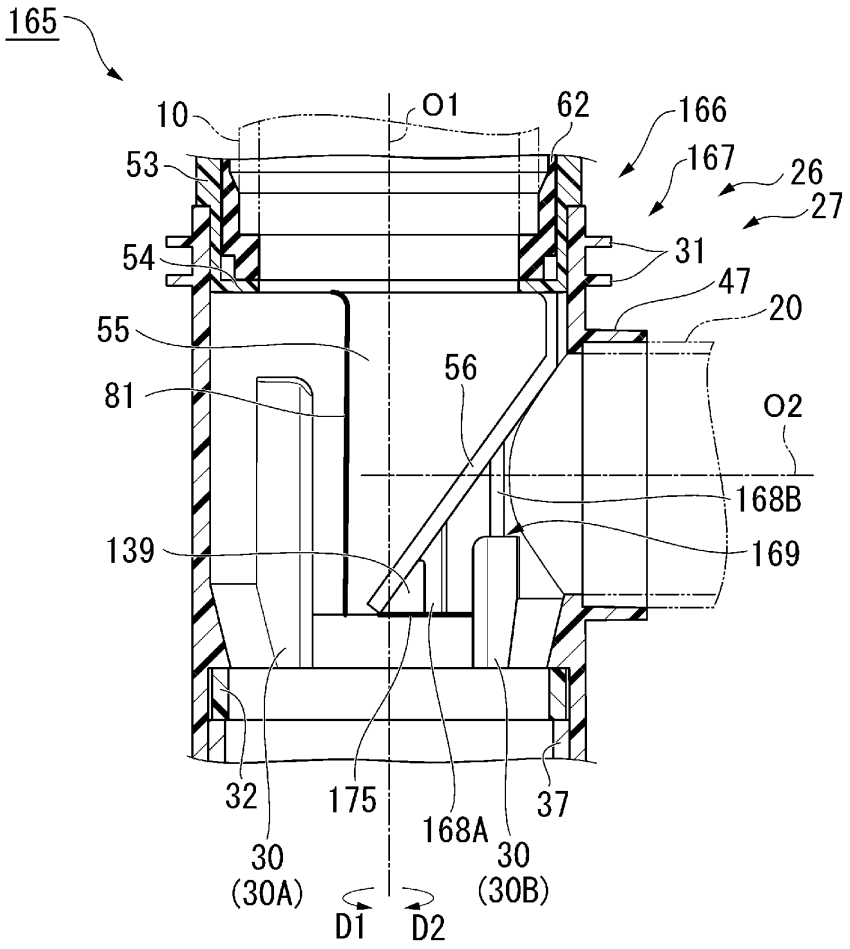
[図6]


151
152
O1
150
53
154
153
55
56
D1
D2

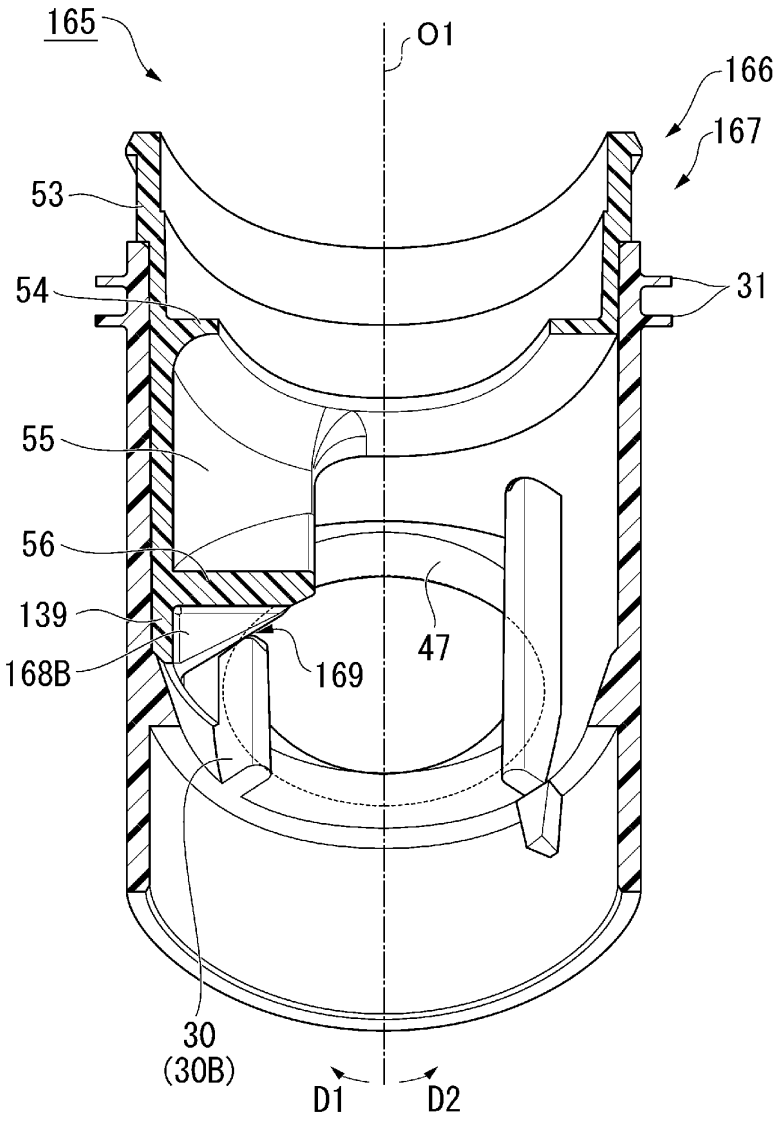
[図7]


151A
152A
O1
150A
53
154
161
55
56
D1
D2

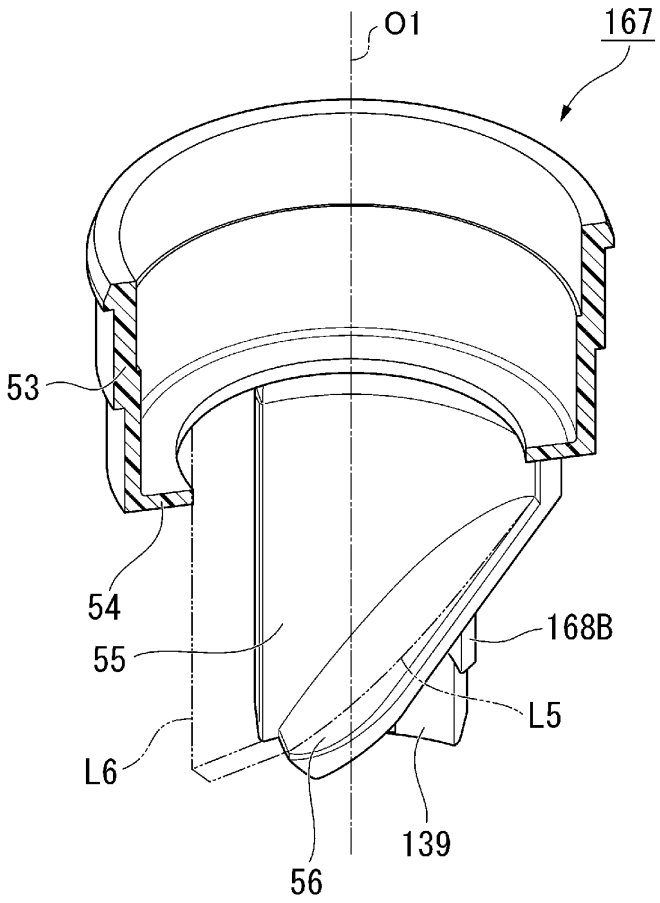
[図8]


165
10
O1
62
166
167
26
27
53
54
31
47
20
55
56
81
O2
168B
139
169
32
175
168A
37
30
(30A)
30
(30B)
D1
D2

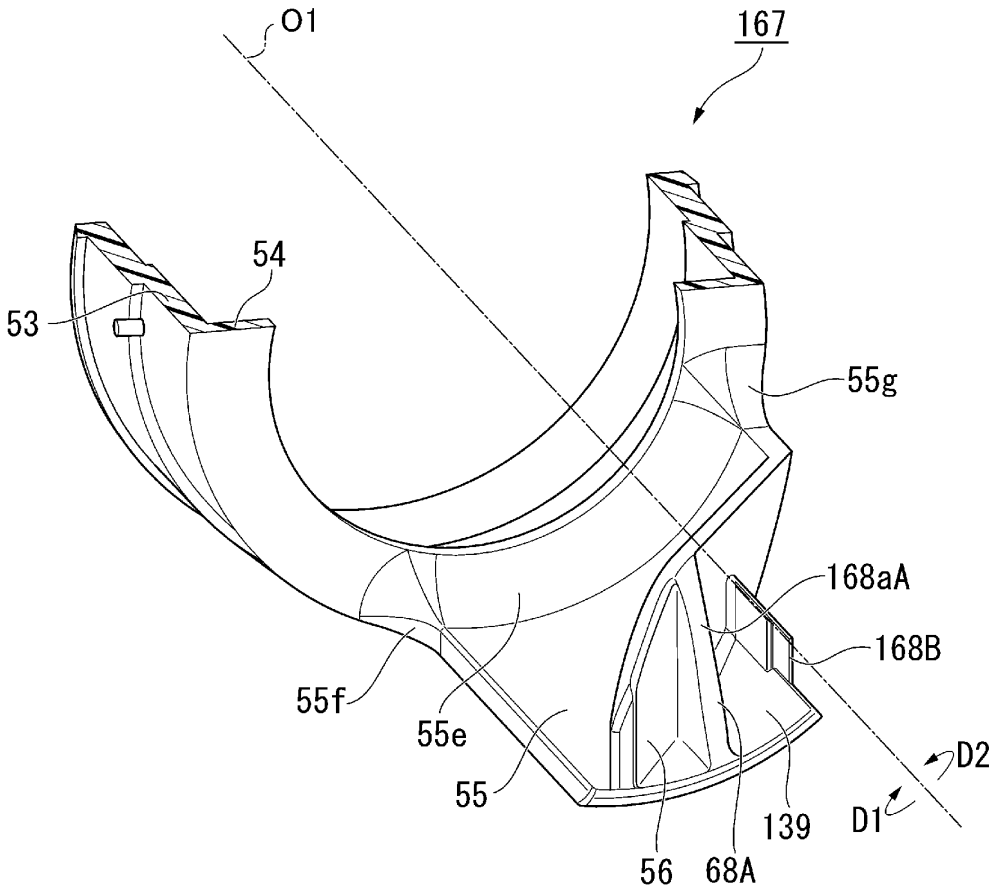
[図9]



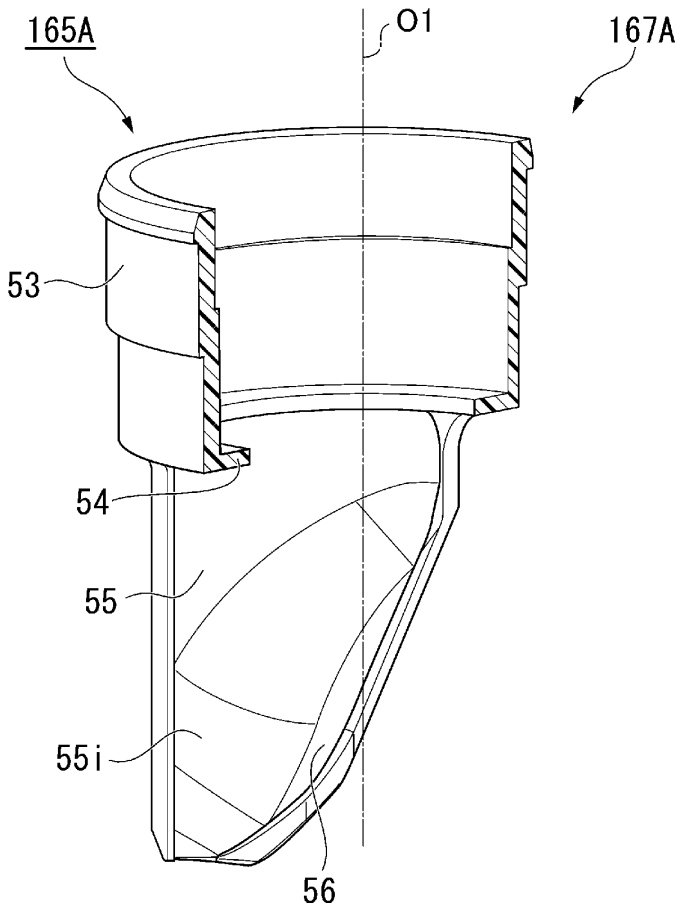
[図10]



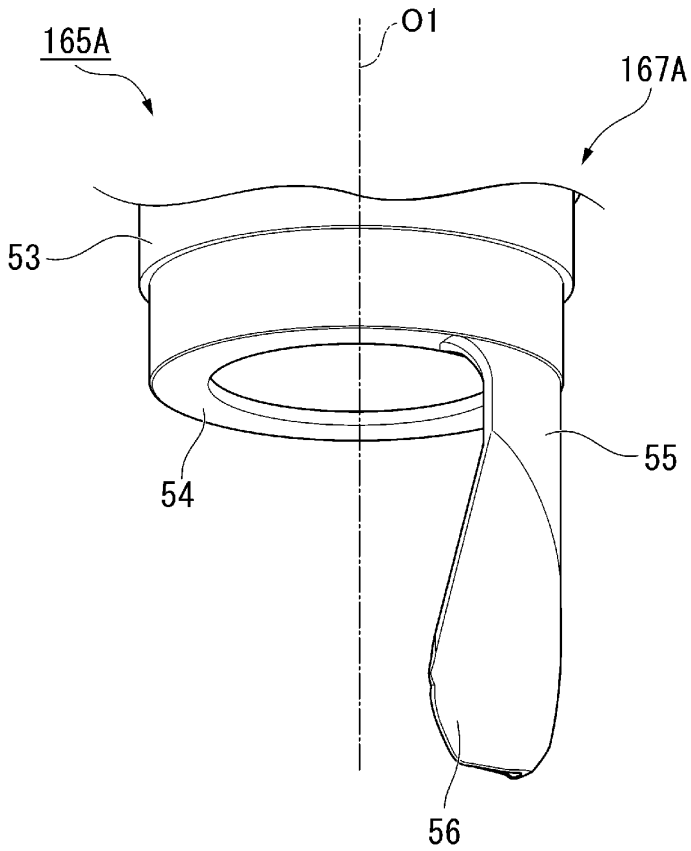
[図11]



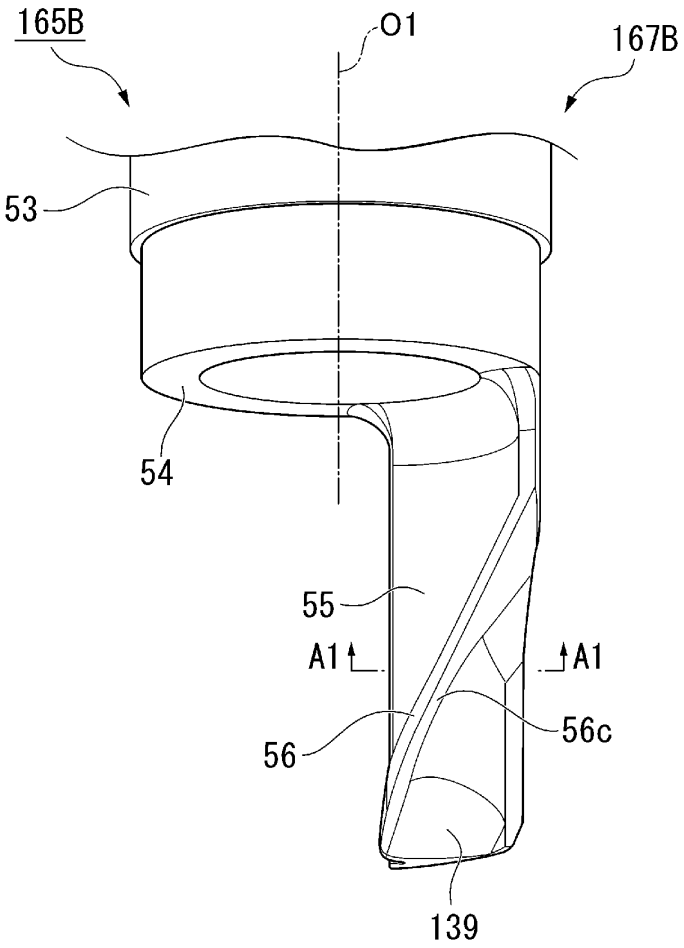
[図12]



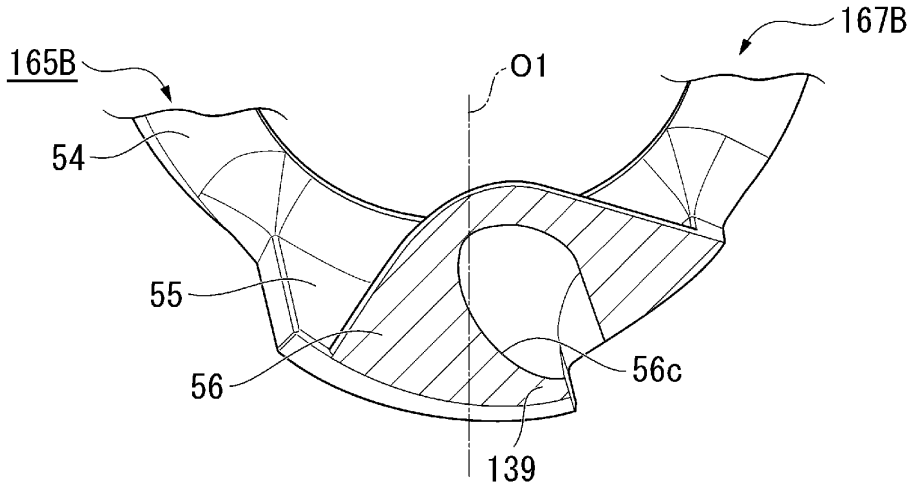
[図13]



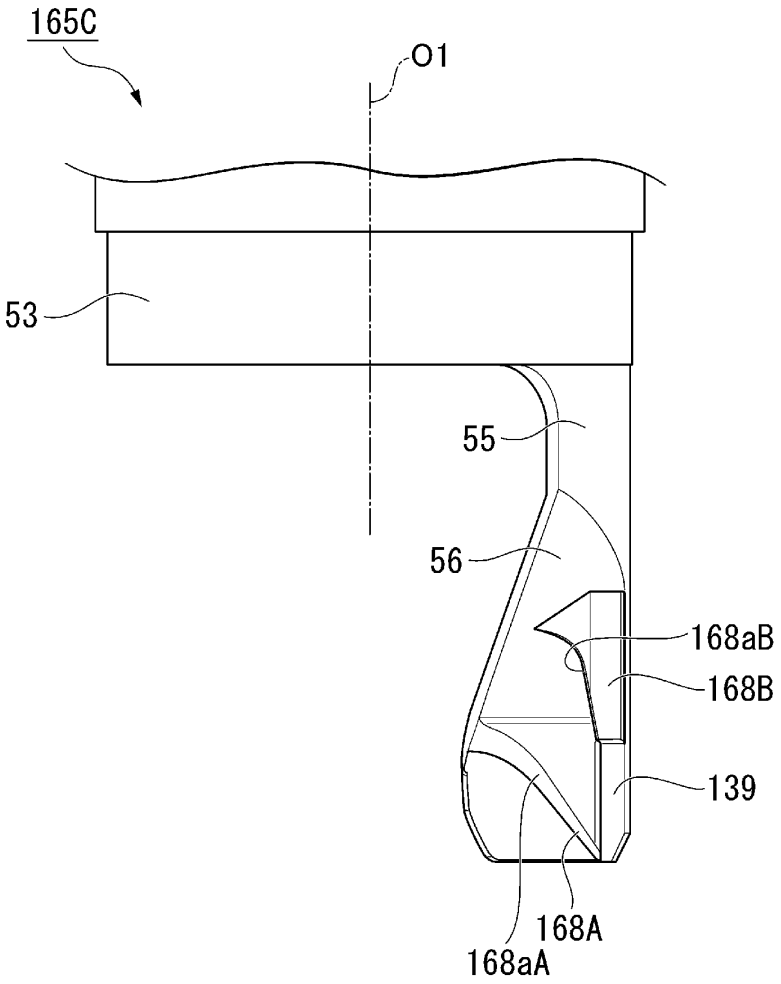
[図14]


165B
O1
167B
53
54
55
A1
A1
56
56c
139

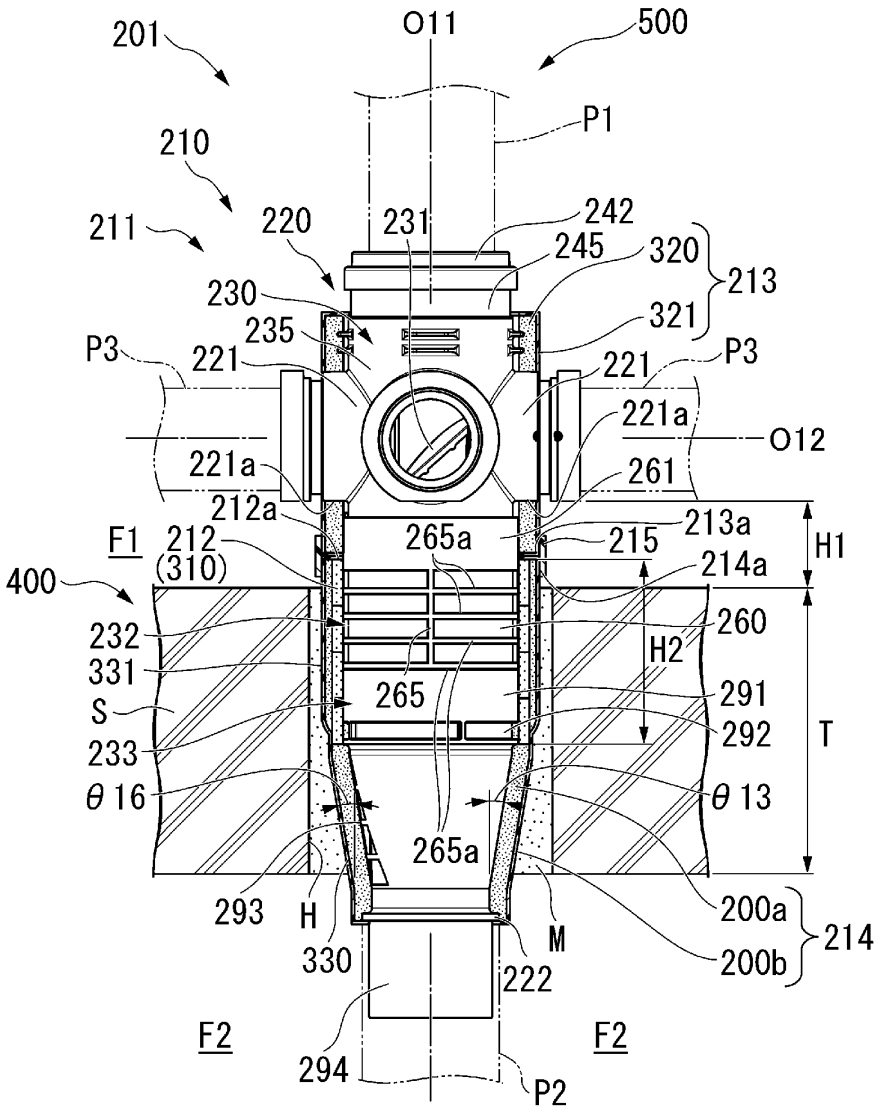
[図15]


167B
165B
O1
54
55
56
56c
139

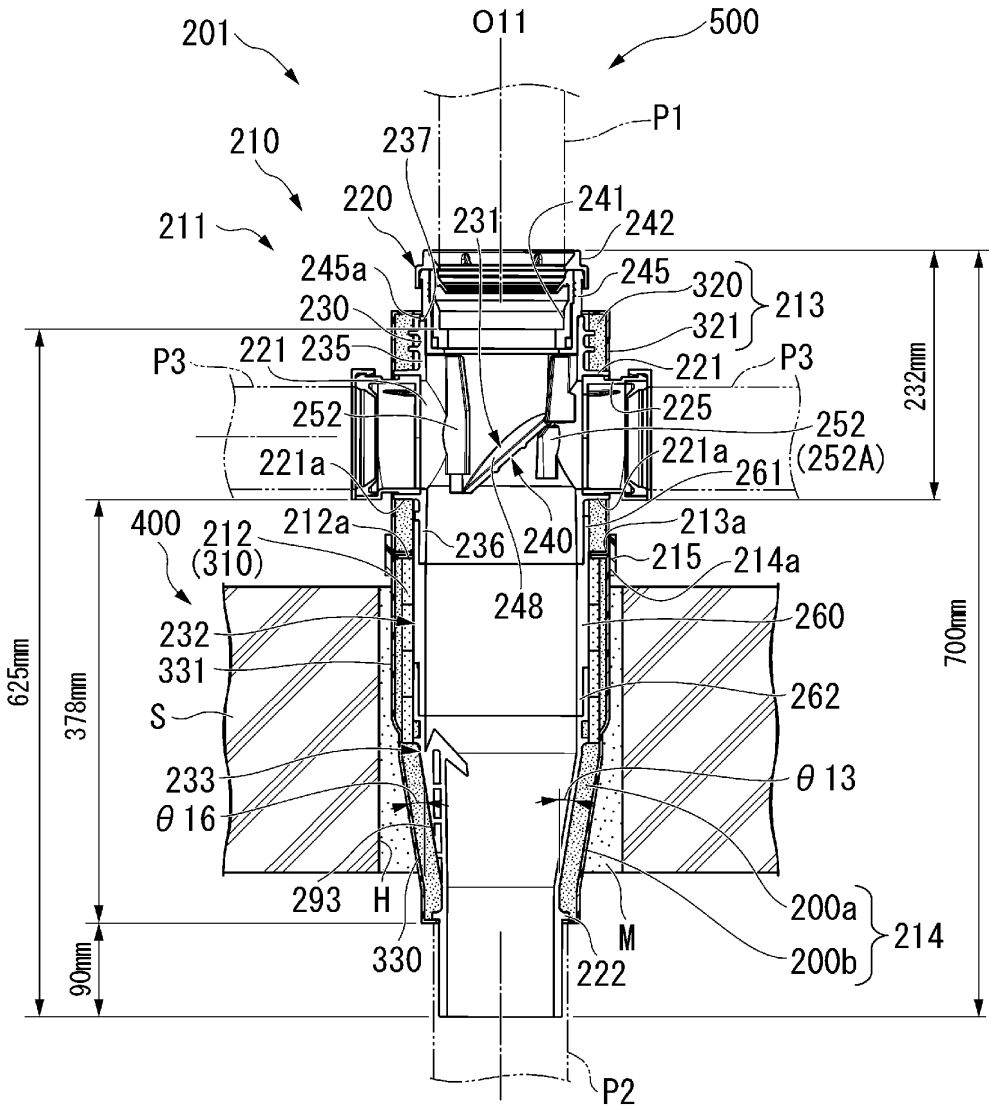
[図16]



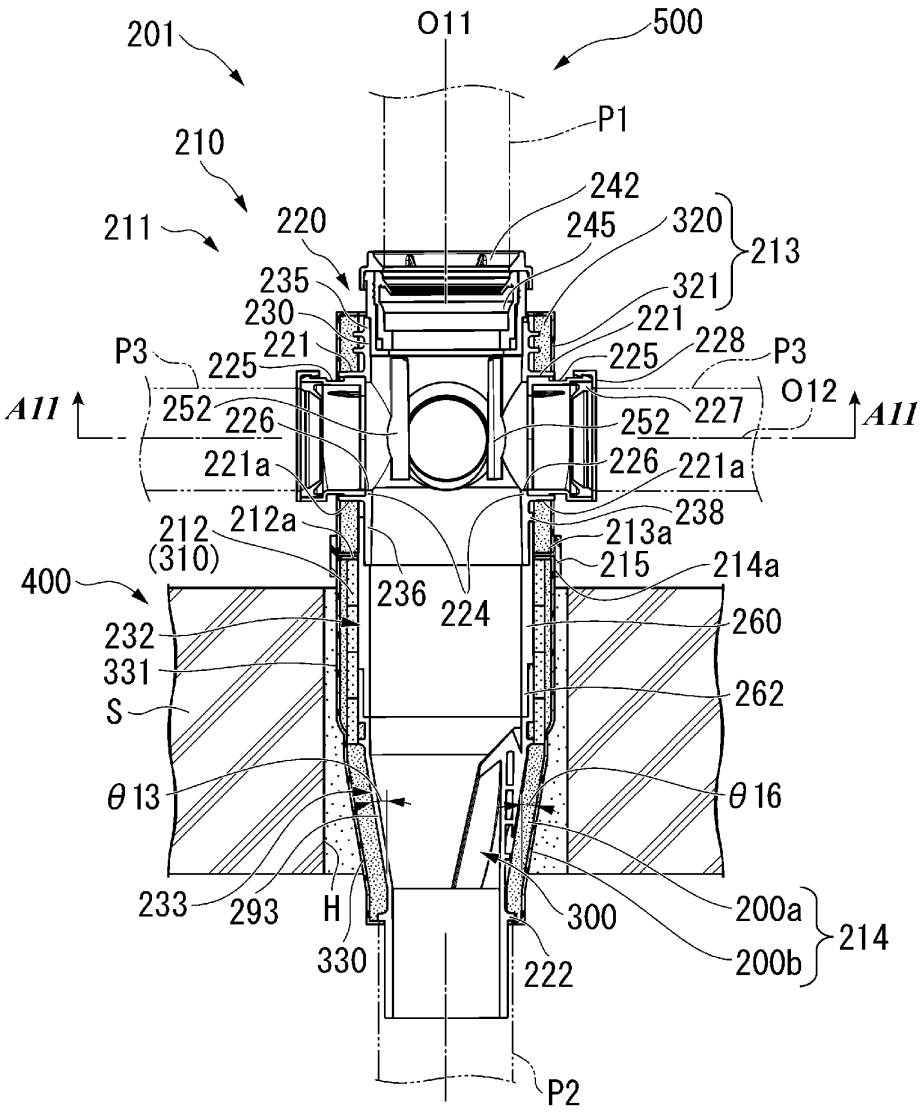
[図17]


201
O11
500
P1
210
211
220
231
242
245
320
213
321
230
235
P3
221
221
P3
221a
O12
221a
261
212a
F1
212
265a
215
213a
H1
(310)
214a
400
260
232
H2
331
265
291
S
292
T
233
θ16
θ13
265a
293
H
200a
214
330
M
200b
222
F2
F2
294
P2

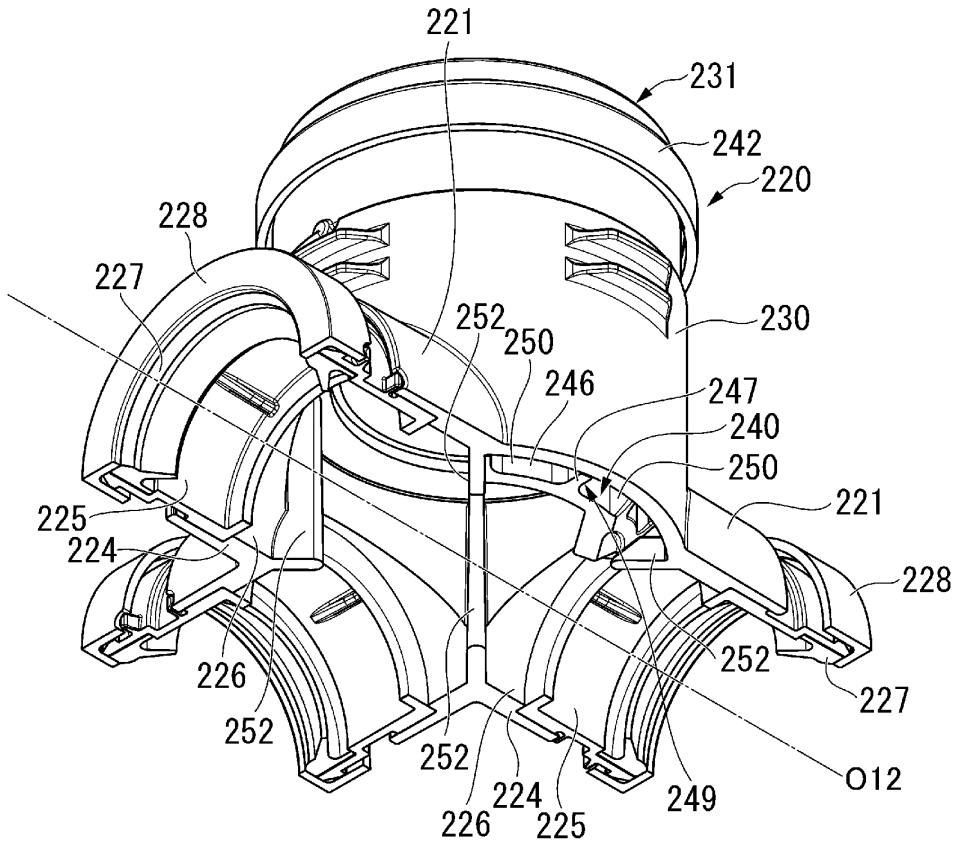
[図18]


201
O11
500
P1
210
237
211
220
231
241
242
245a
245
320
213
230
321
P3
221
235
221
P3
252
225
252
(252A)
221a
221a
261
400
212
(310)
212a
236
240
213a
215
214a
248
260
232
331
262
S
233
θ13
θ16
293
H
200a
214
200b
330
M
222
625mm
378mm
90mm
232mm
700mm
P2

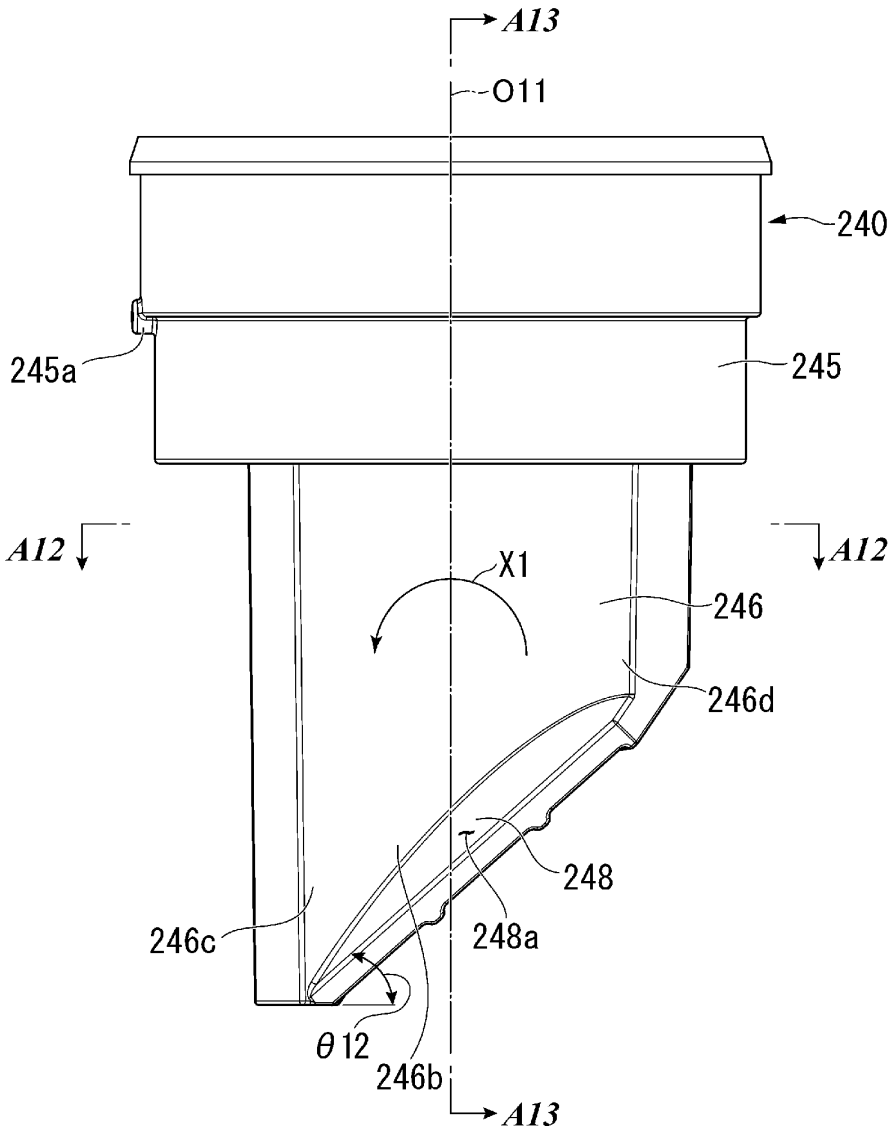
[図19]


201
O11
500
P1
210
211
220
242
245
320
213
321
235
230
221
225
228
P3
O12
A11
252
226
227
221a
238
212
(310)
212a
213a
215
214a
400
236
224
232
260
331
262
S
θ13
θ16
233
293
H
300
200a
200b
214
330
222
P2

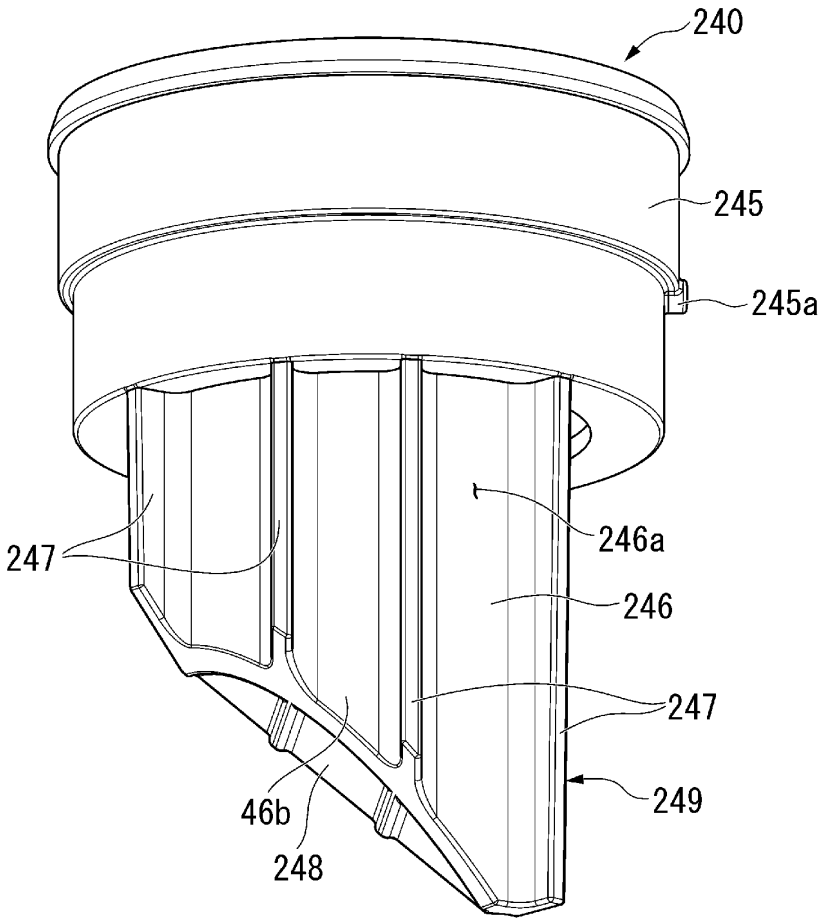
[図20]


221
231
242
220
228
227
252
250
230
246
247
240
250
221
225
224
228
226
252
252
227
252
O12
249
224
226
225

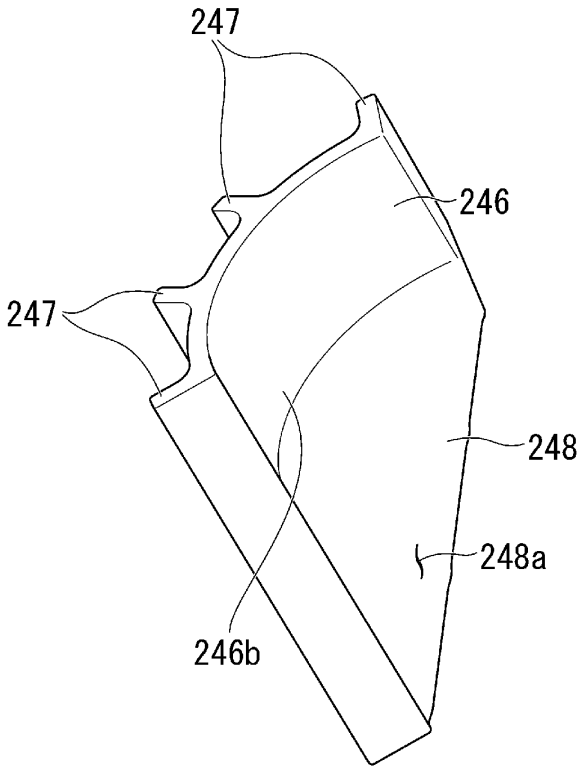
[図21]


A13
O11
240
245a
245
A12
A12
X1
246
246d
248
246c
248a
θ12
246b
A13

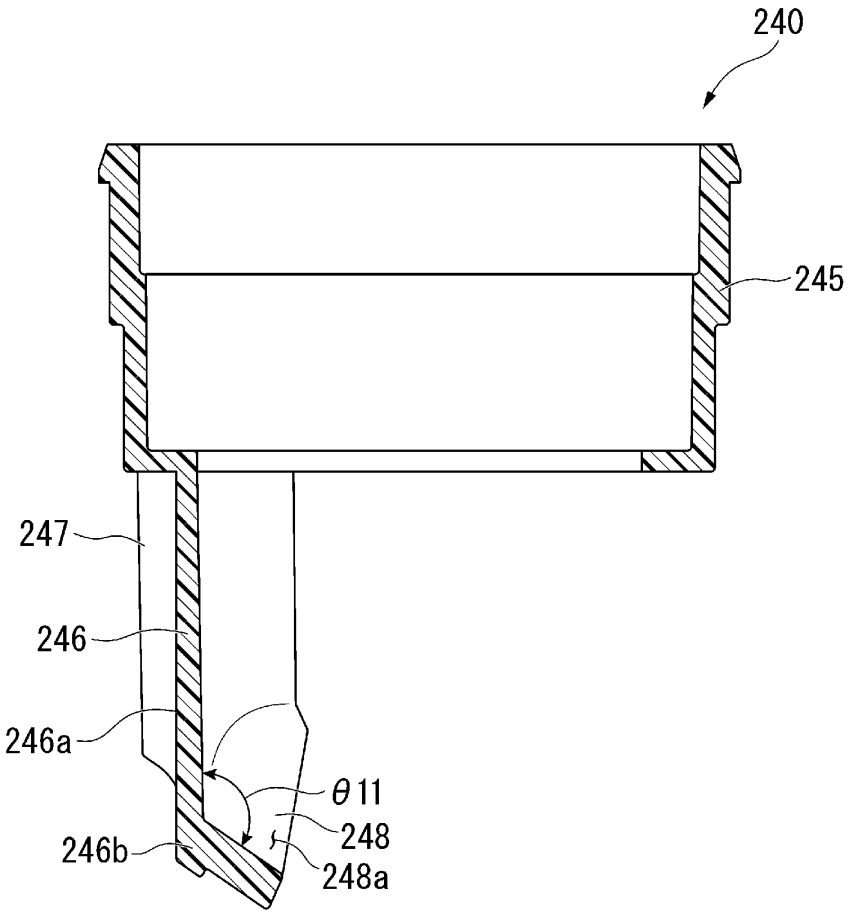
[図22]



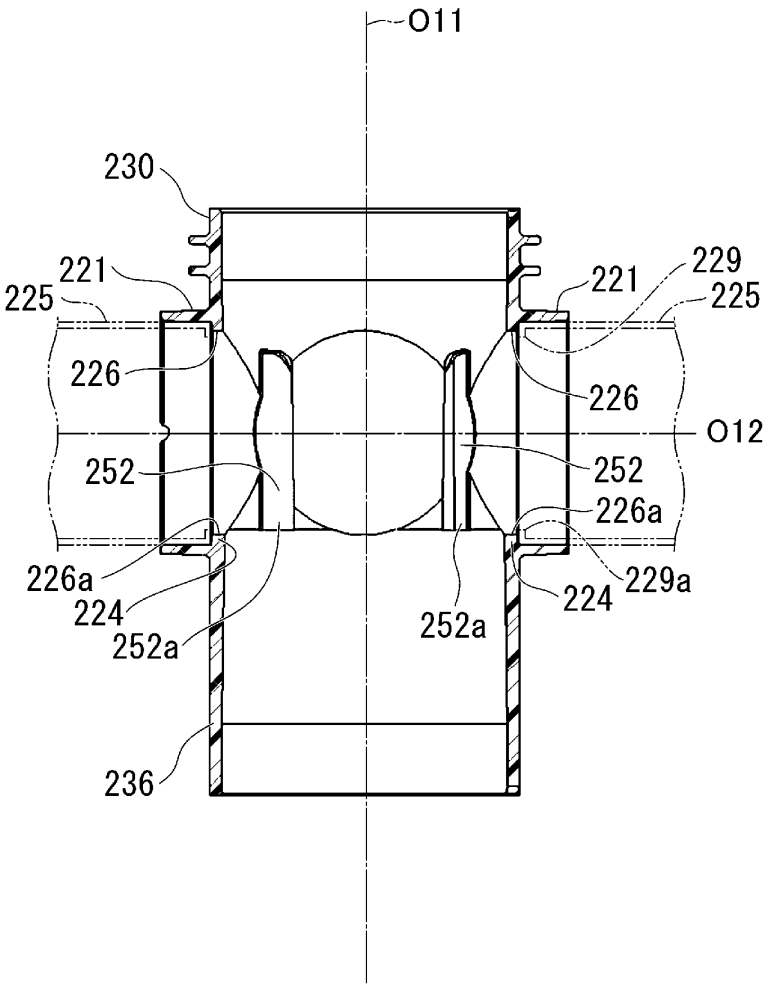
[図23]



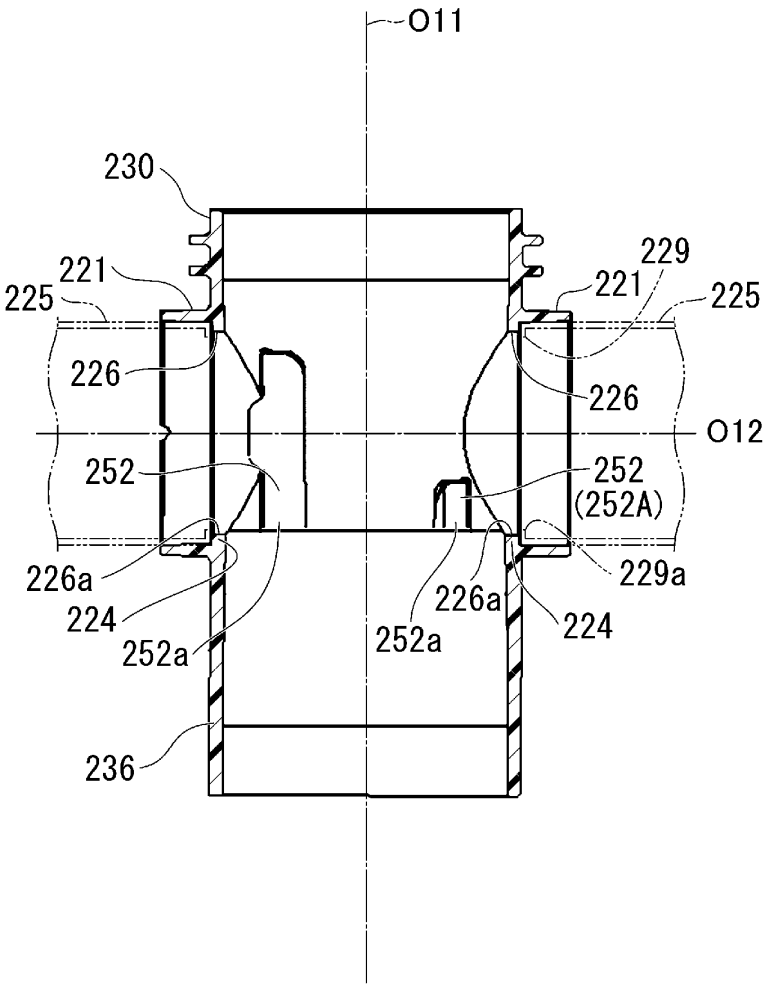
[図24]



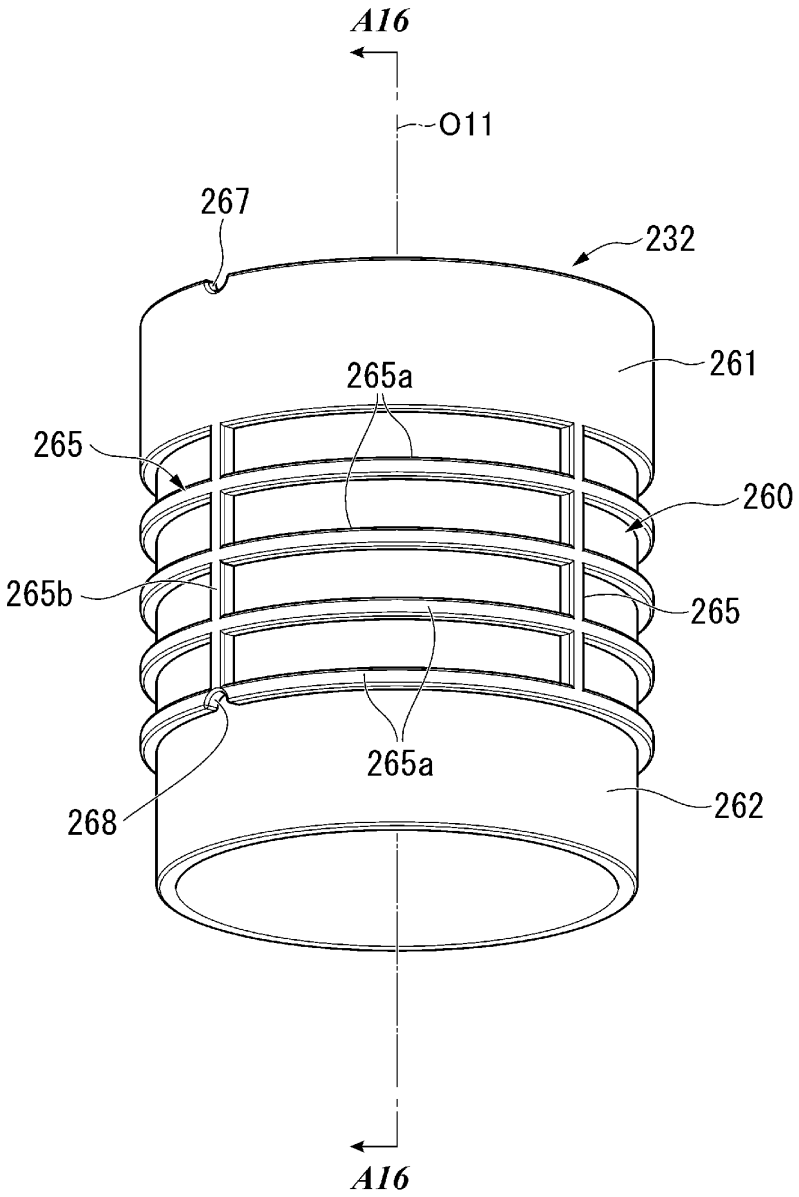
[図25]


O11
230
221
225
226
252
226a
224
252a
236
221
229
225
226
O12
252
226a
229a
224
252a

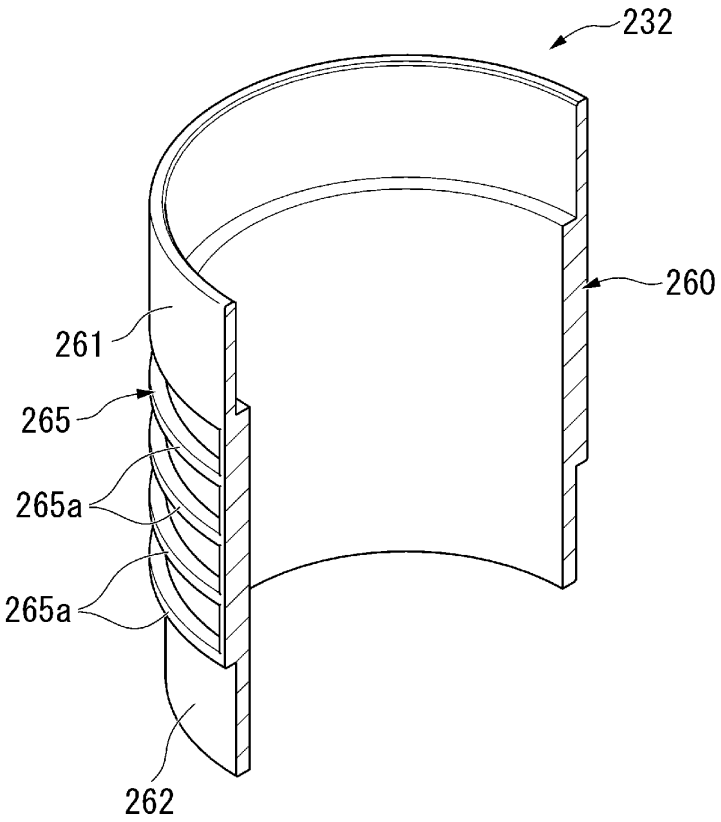
[図26]


O11
230
221
225
226
252
226a
224
252a
236
229
221
225
226
O12
252
(252A)
229a
226a
252a
224

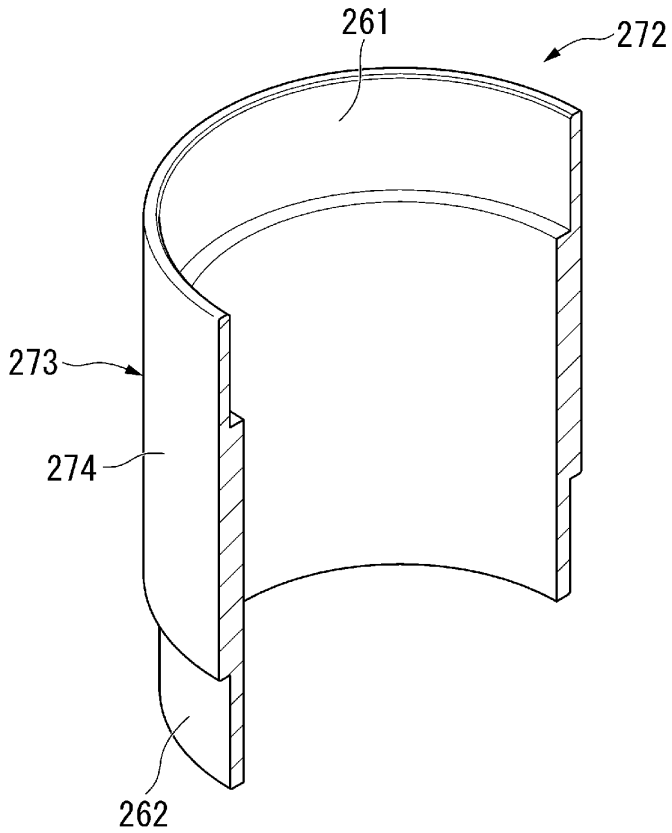
[図27]



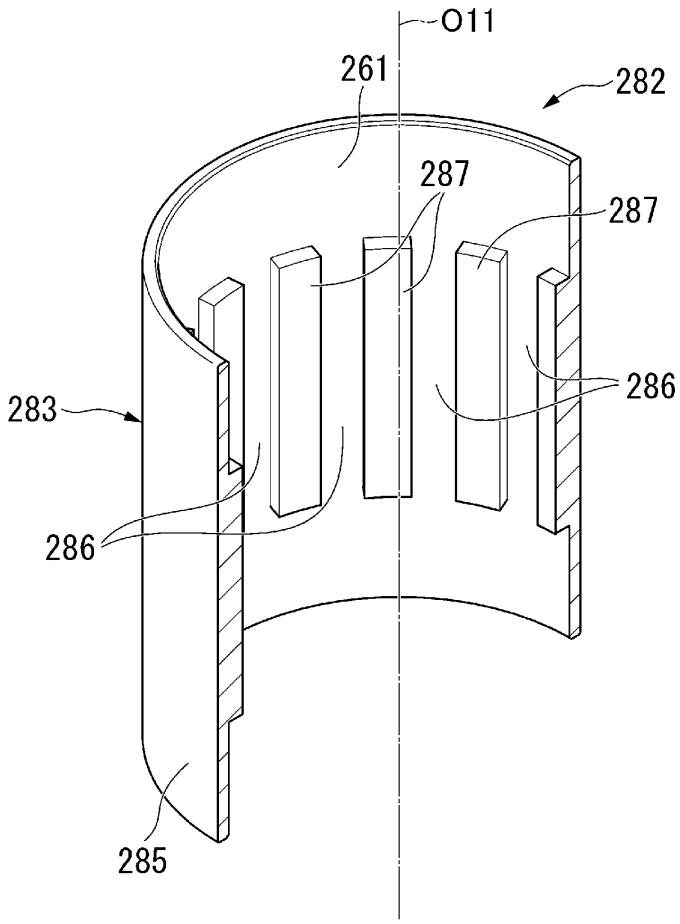
[図28]



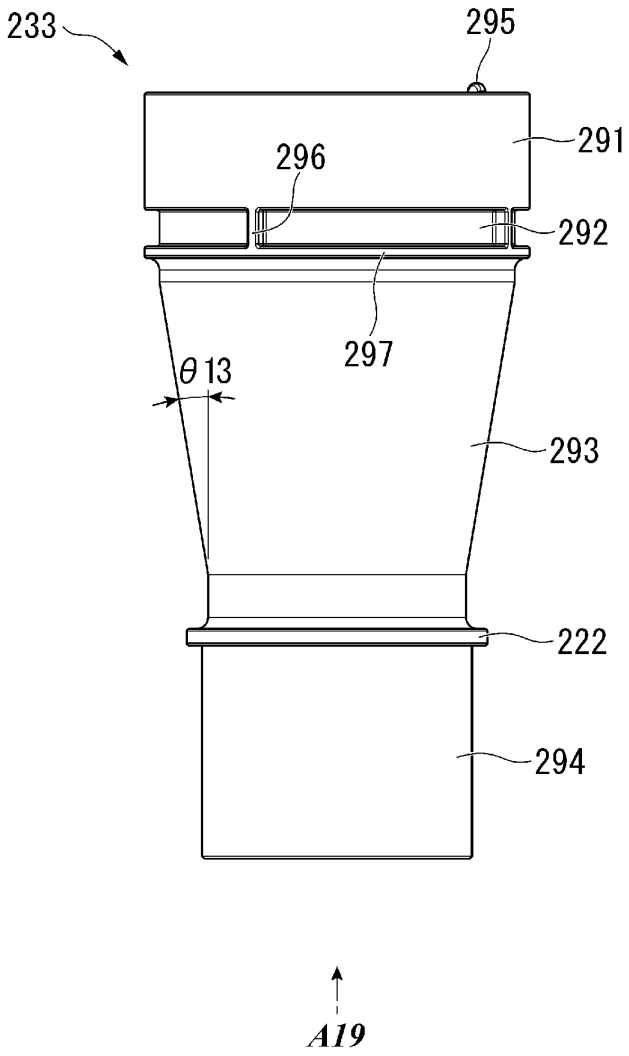
[図29]



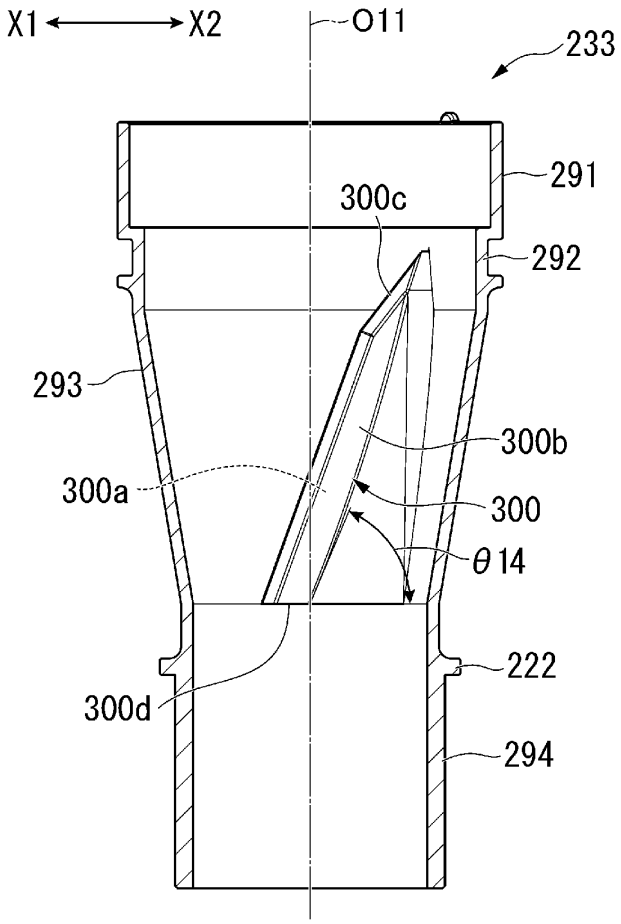
[図30]



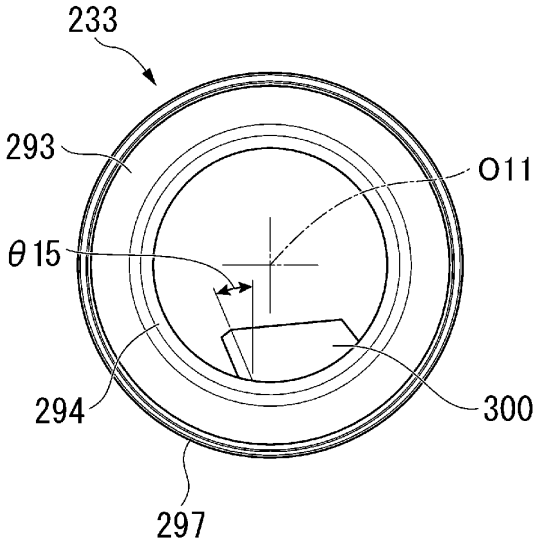
[図31]



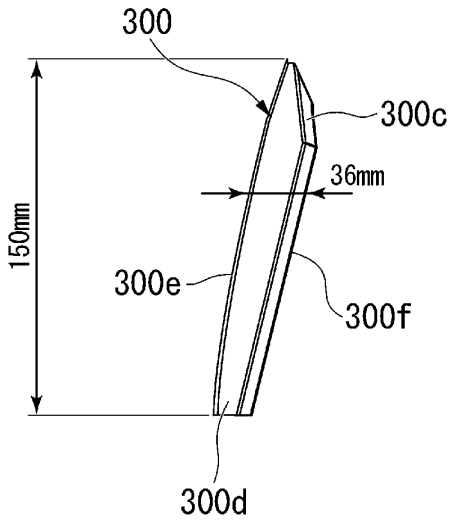
[図32]


X1
X2
O11
233
291
300c
292
293
300b
300a
300
θ14
222
300d
294

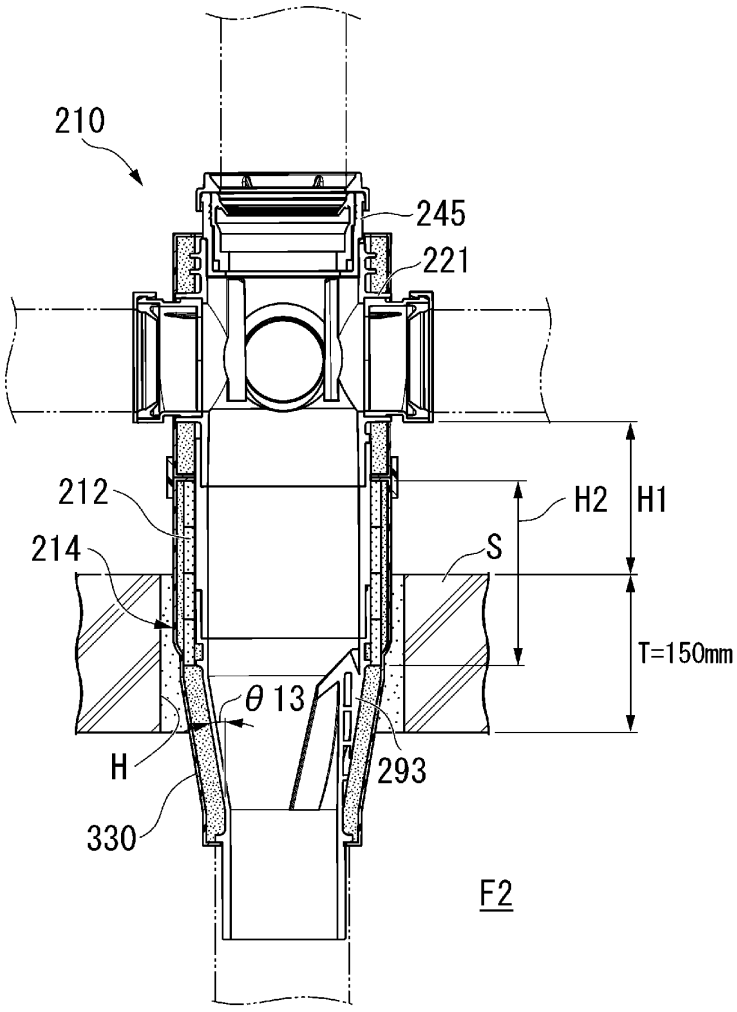
[図33]


233
293
O11
θ15
294
300
297

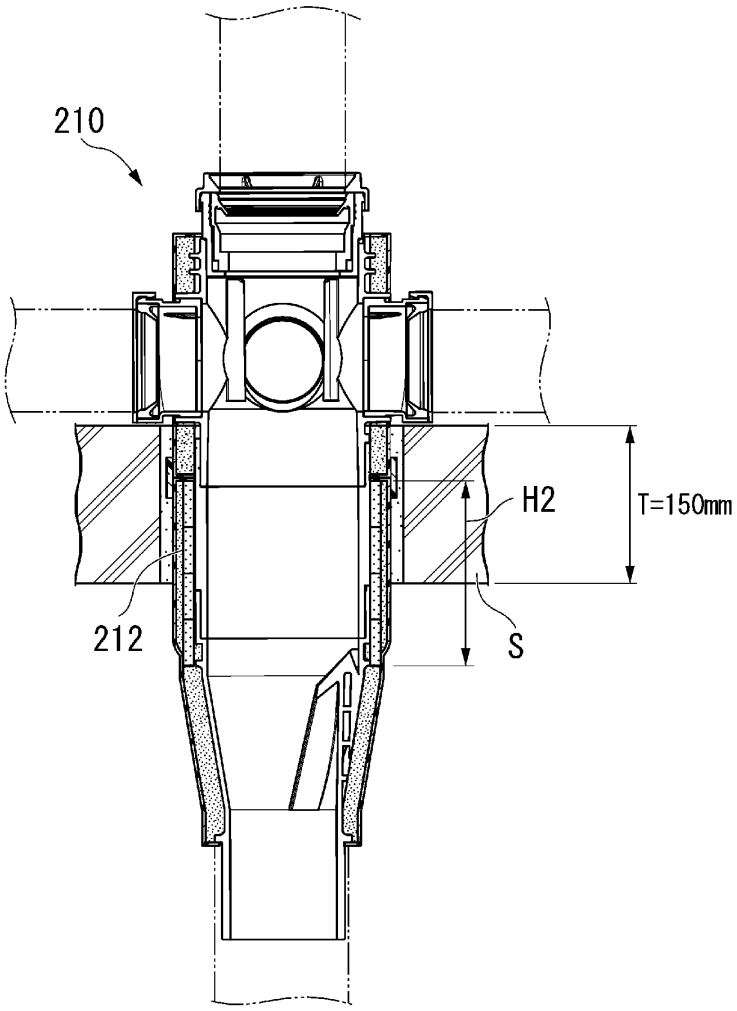
[図34]


300
300c
36mm
150mm
300e
300f
300d

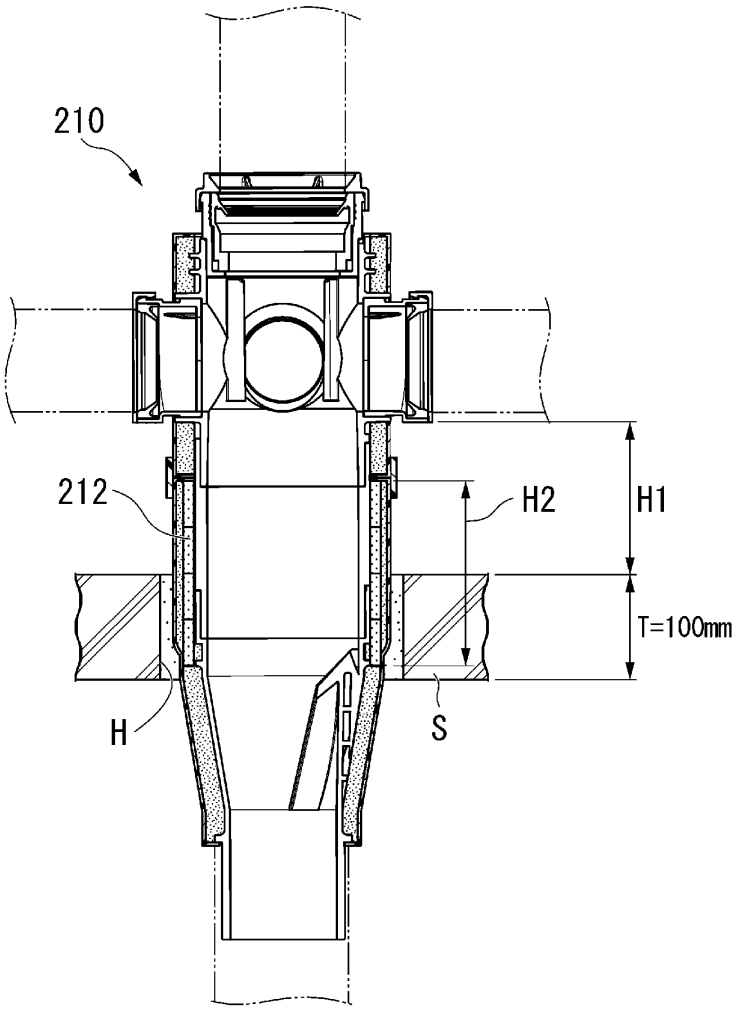
[図35]


210
245
221
212
214
H2
H1
S
T=150mm
θ13
H
293
330
F2

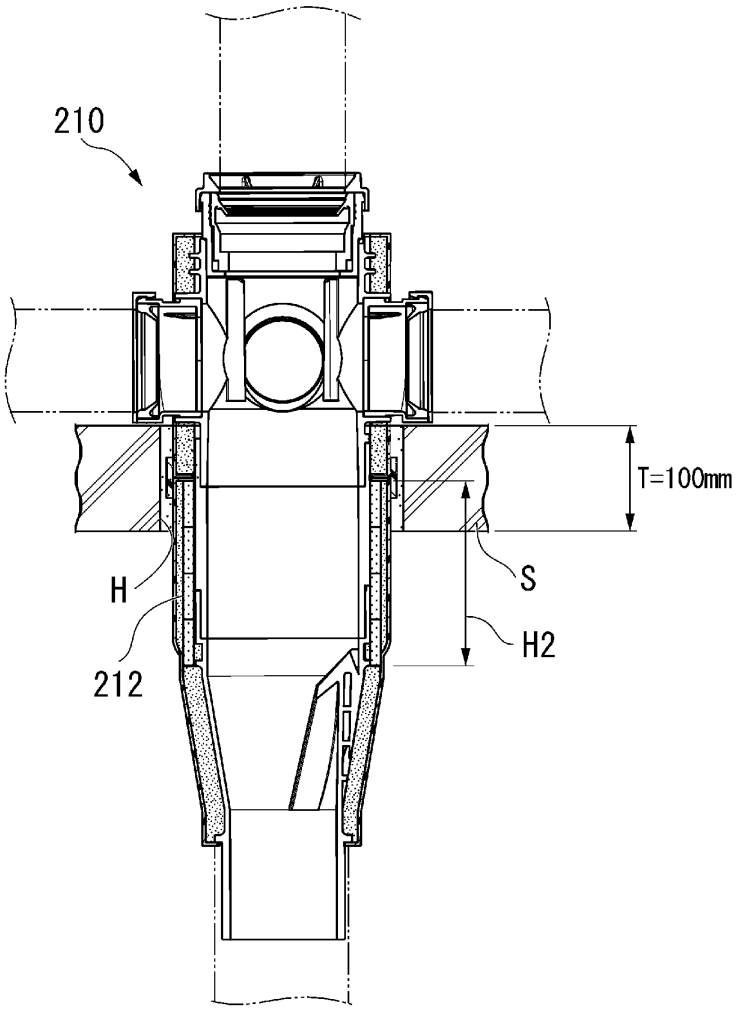
[図36]



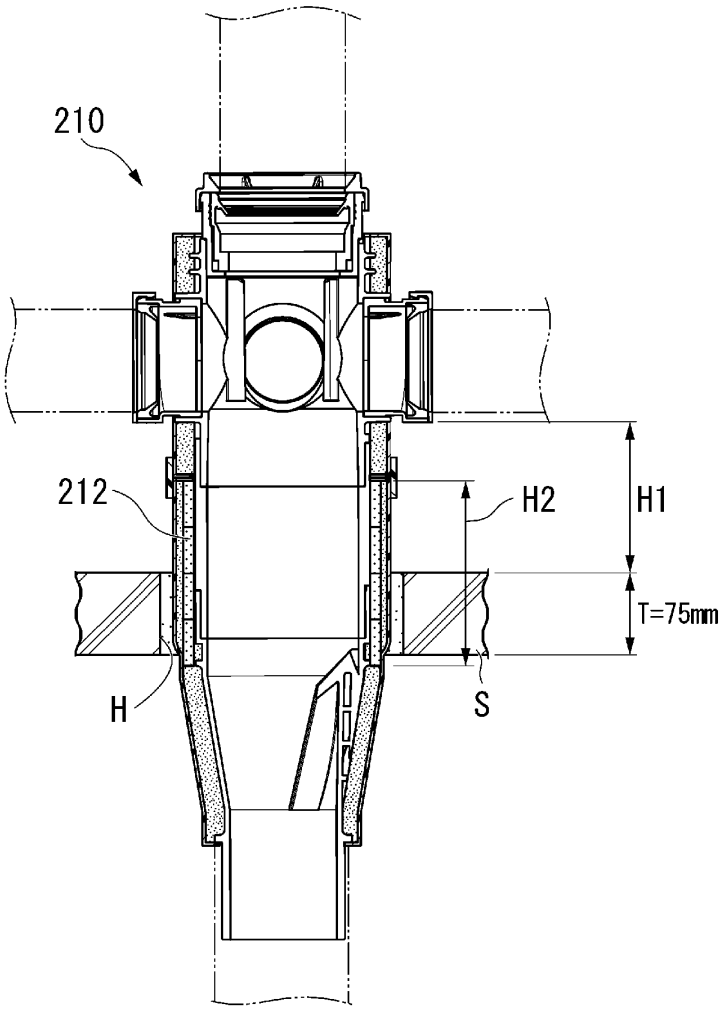
[図37]



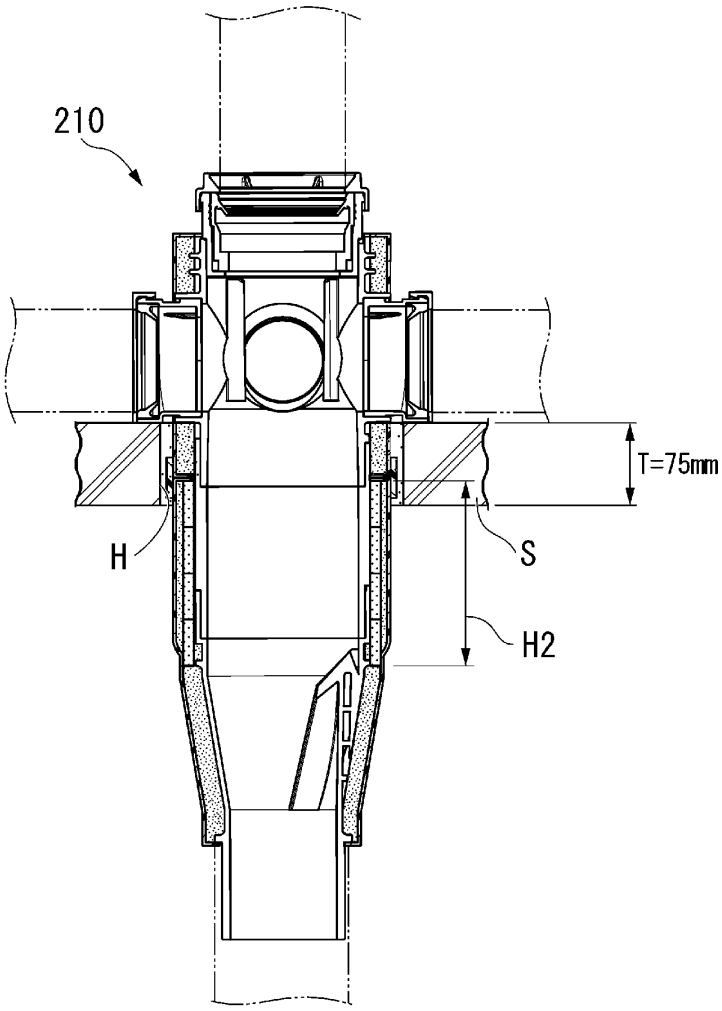
[図38]



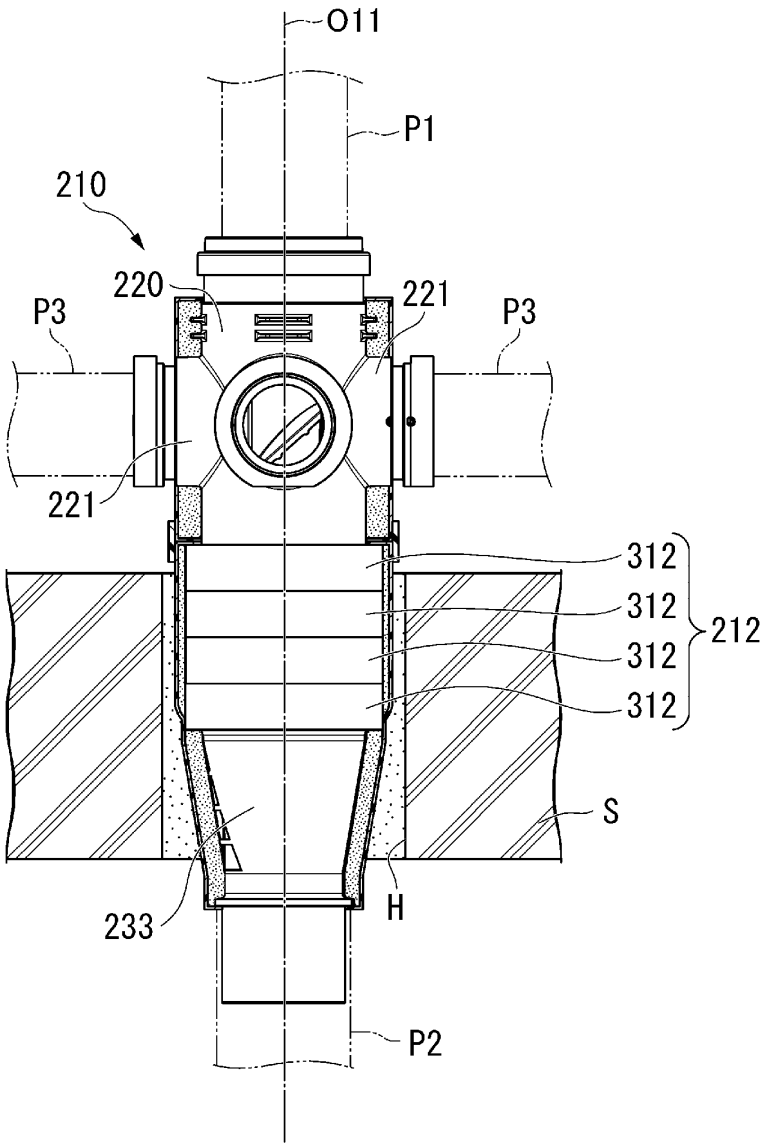
[図39]



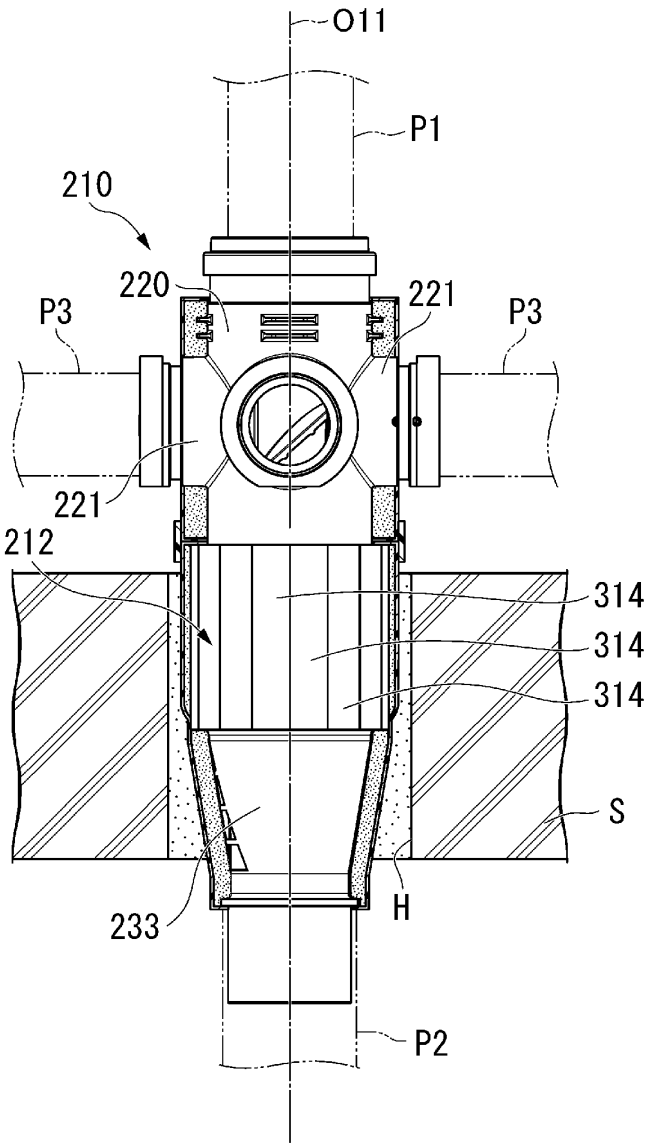
[図40]



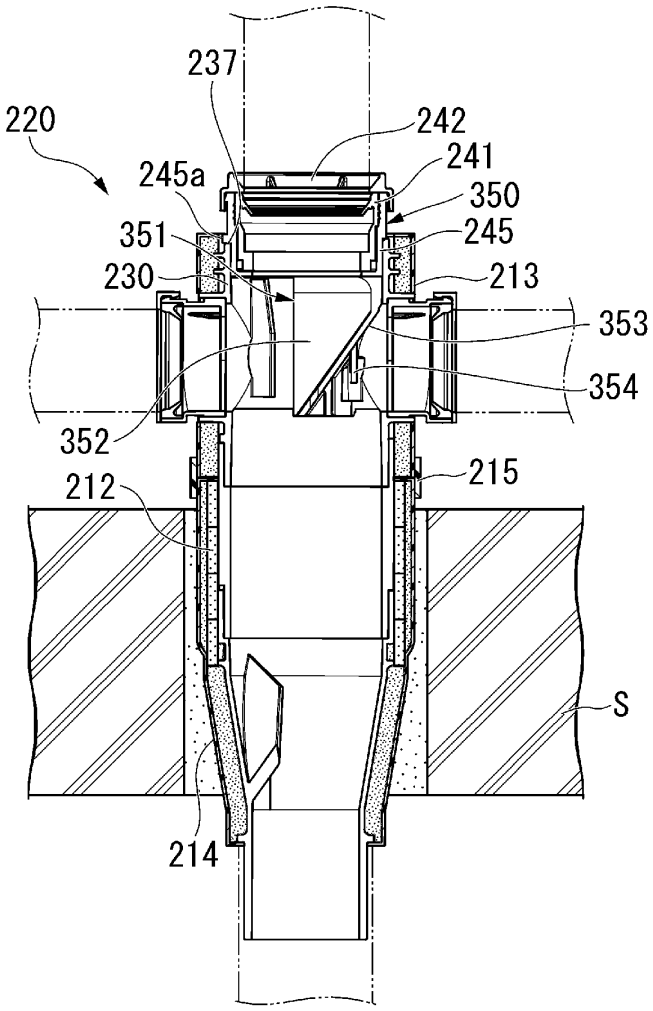
[図41]



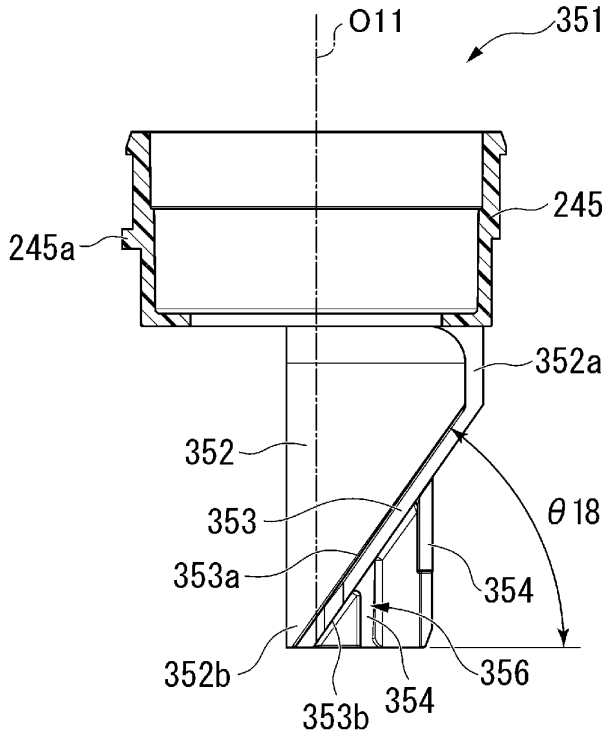
[図42]



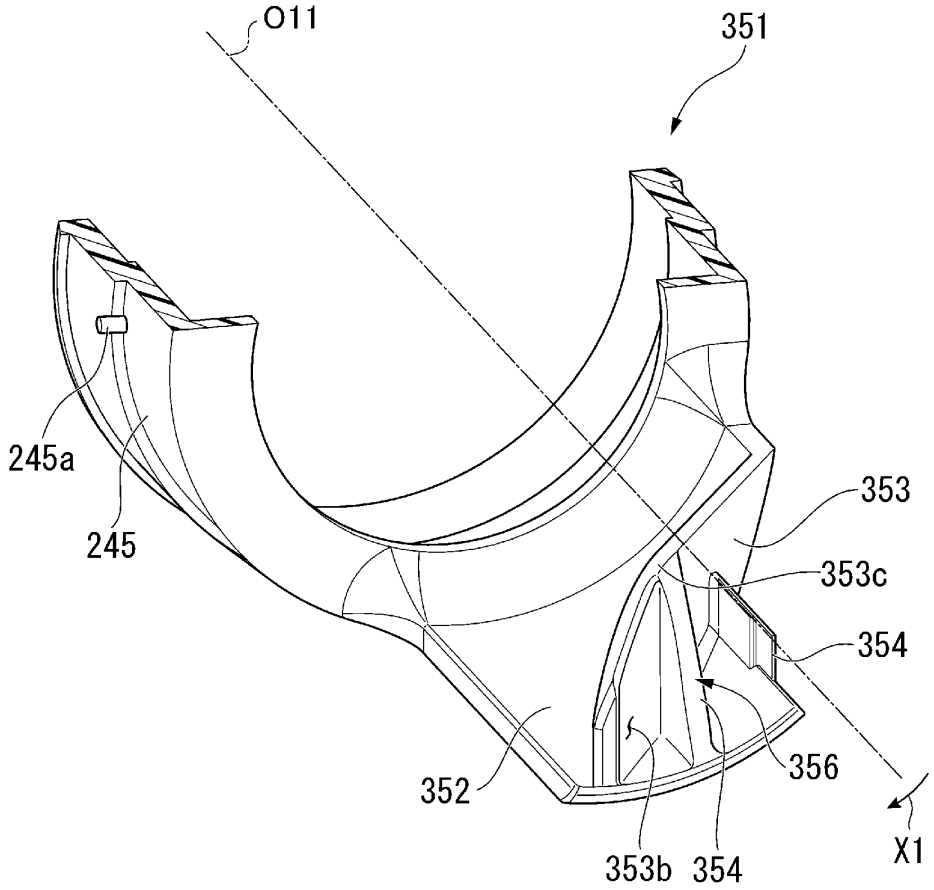
[図43]


237
220
242
241
245a
350
351
245
230
213
353
354
352
215
212
S
214

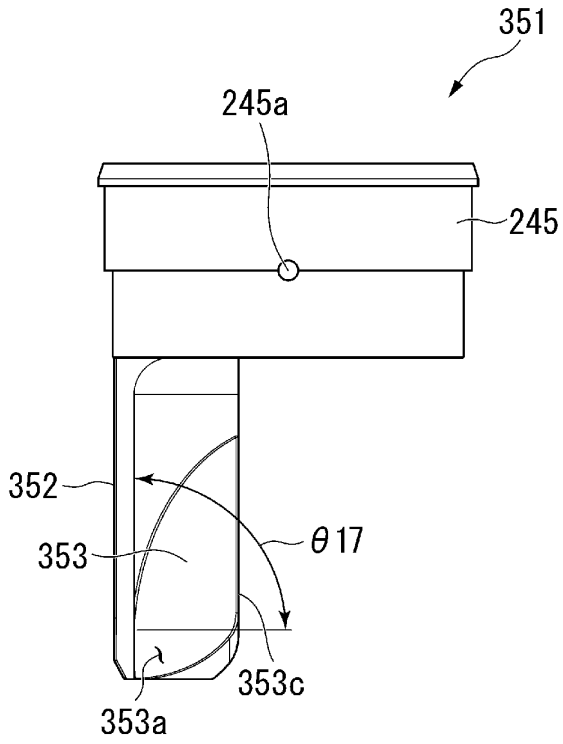
[図44]


O11
351
245
245a
352a
352
θ18
353
353a
354
352b
356
353b
354

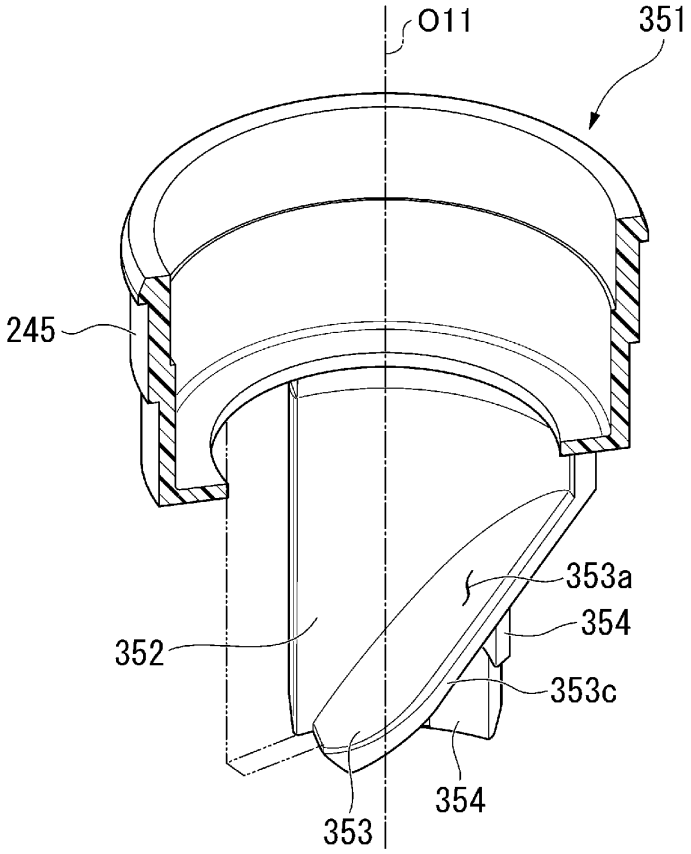
[図45]


O11
351
245a
245
353
353c
354
356
352
353b
354
X1

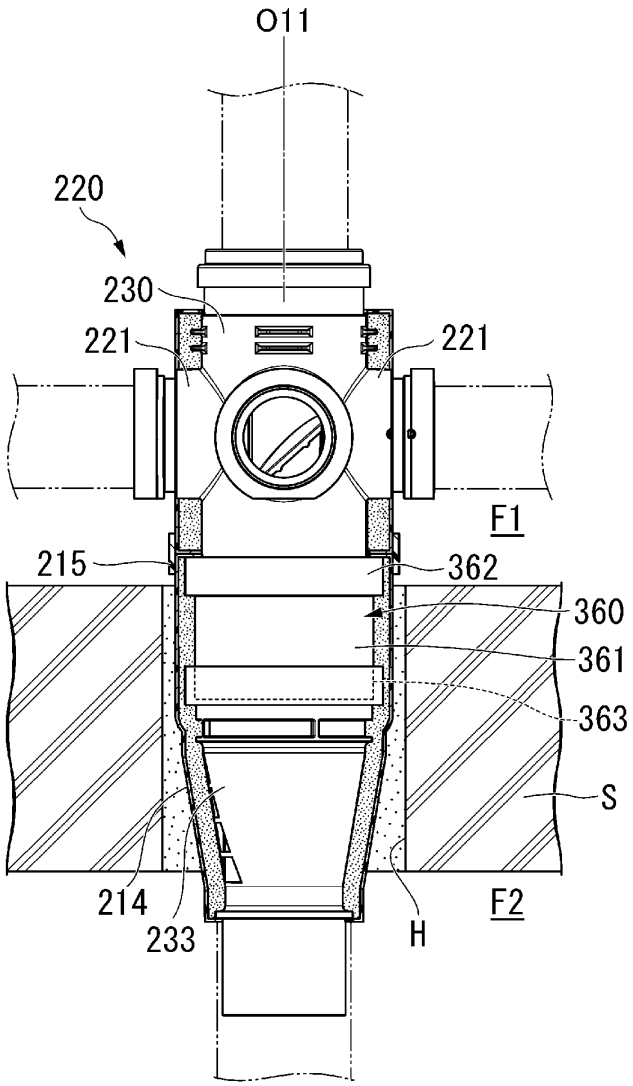
[図46]


351
245a
245
352
θ17
353
353c
353a

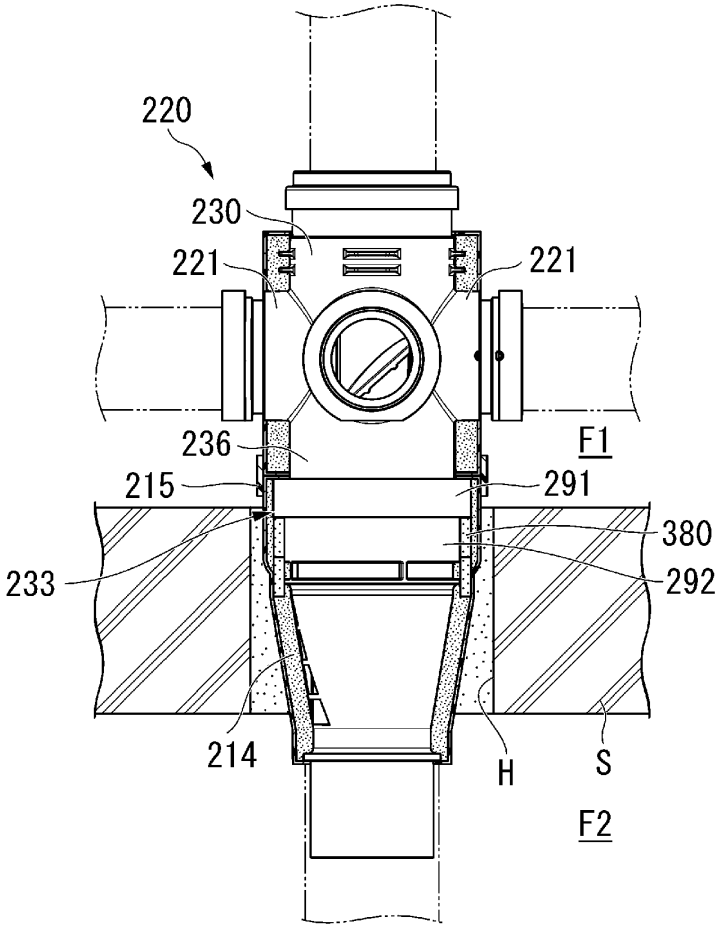
[図47]


O11
351
245
353a
354
352
353c
354
353

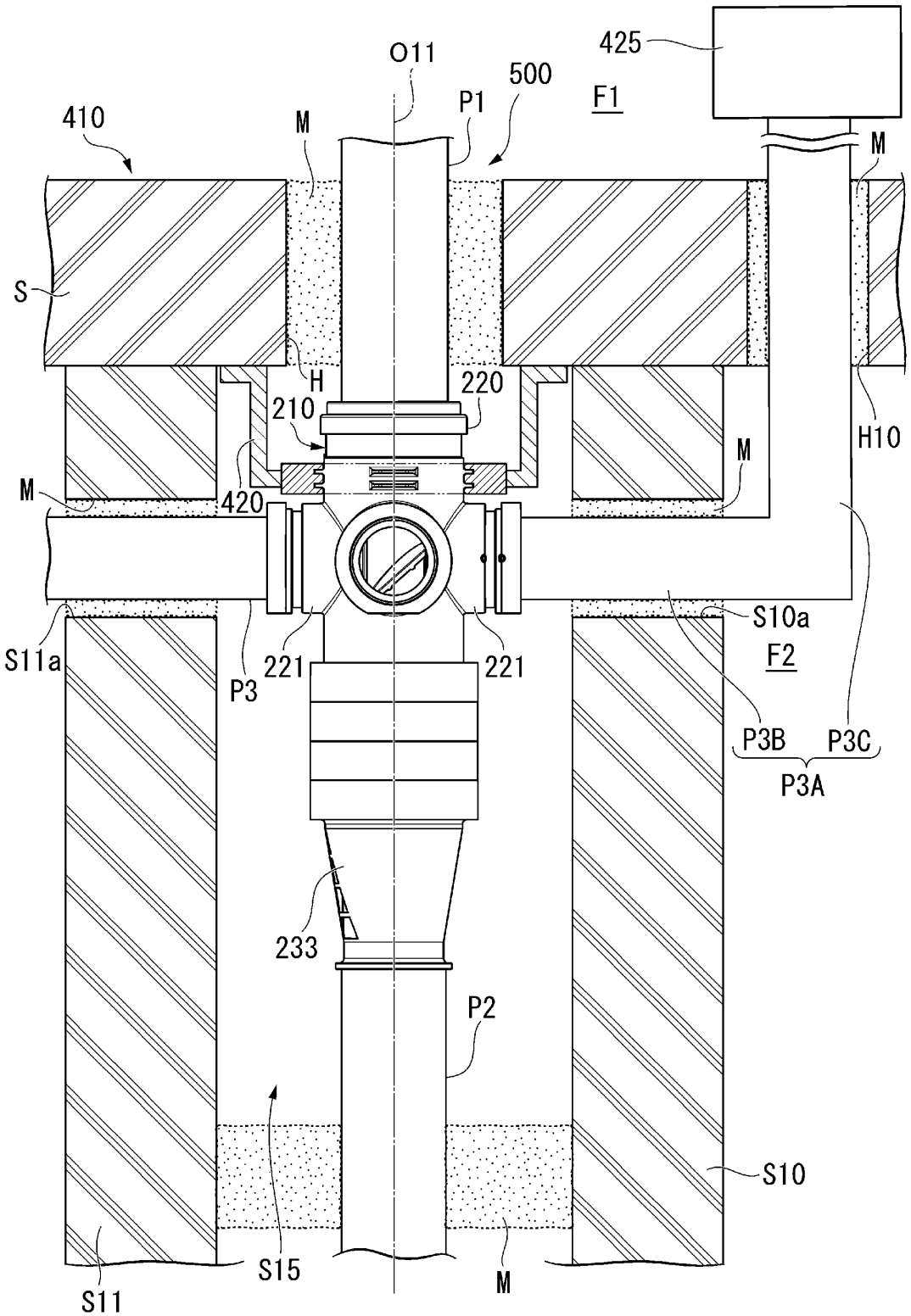
[図48]



[図49]



[図50]


425
O11
500
F1
410
M
P1
M
S
H
220
210
M
H10
M
420
S10a
F2
S11a
P3
221
221
P3B
P3C
P3A
233
P2
S10
S15
M
S11