FIG.1

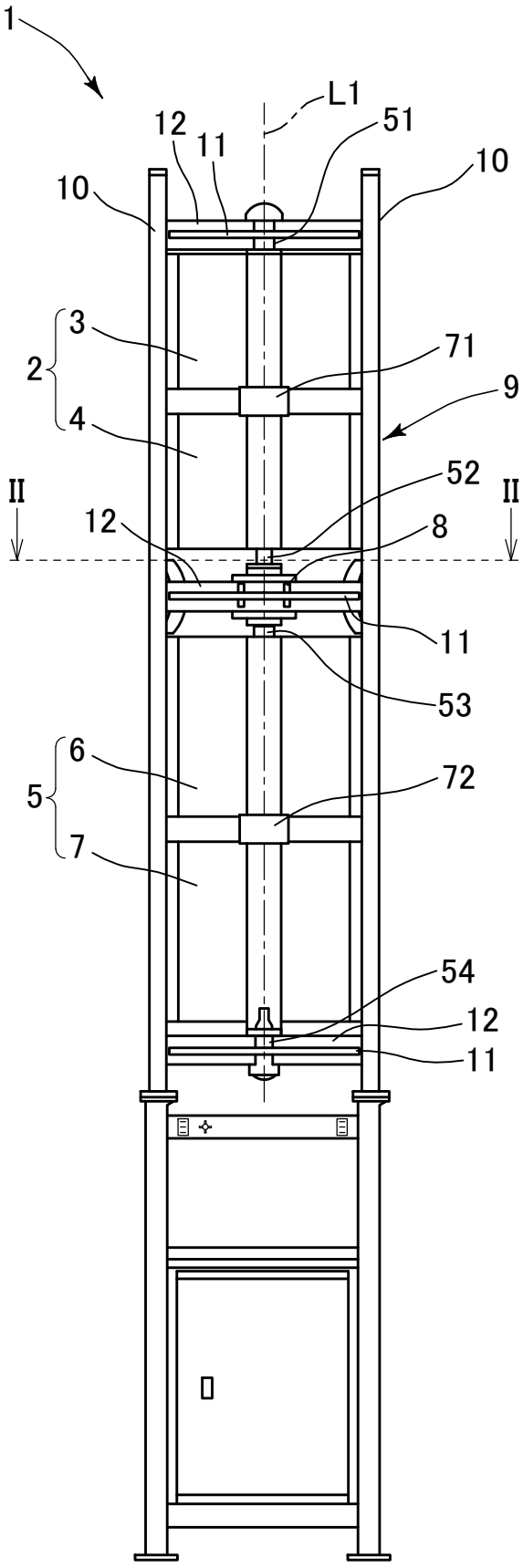


FIG.2

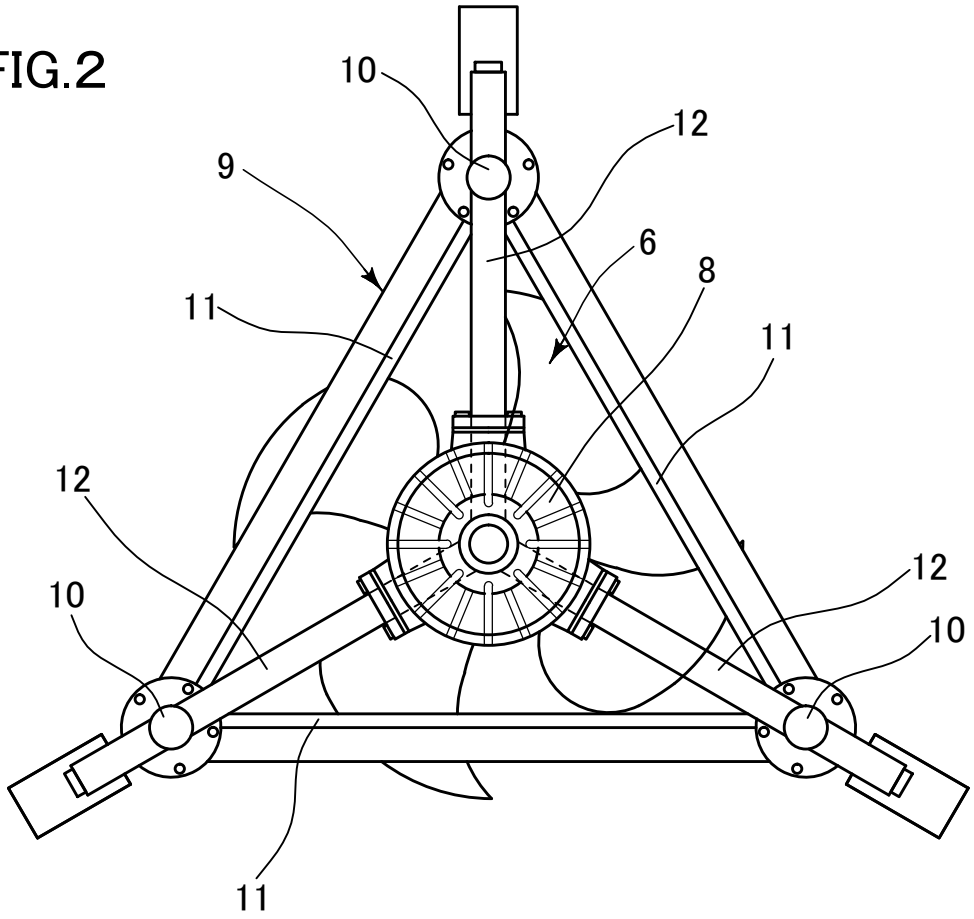


FIG.3

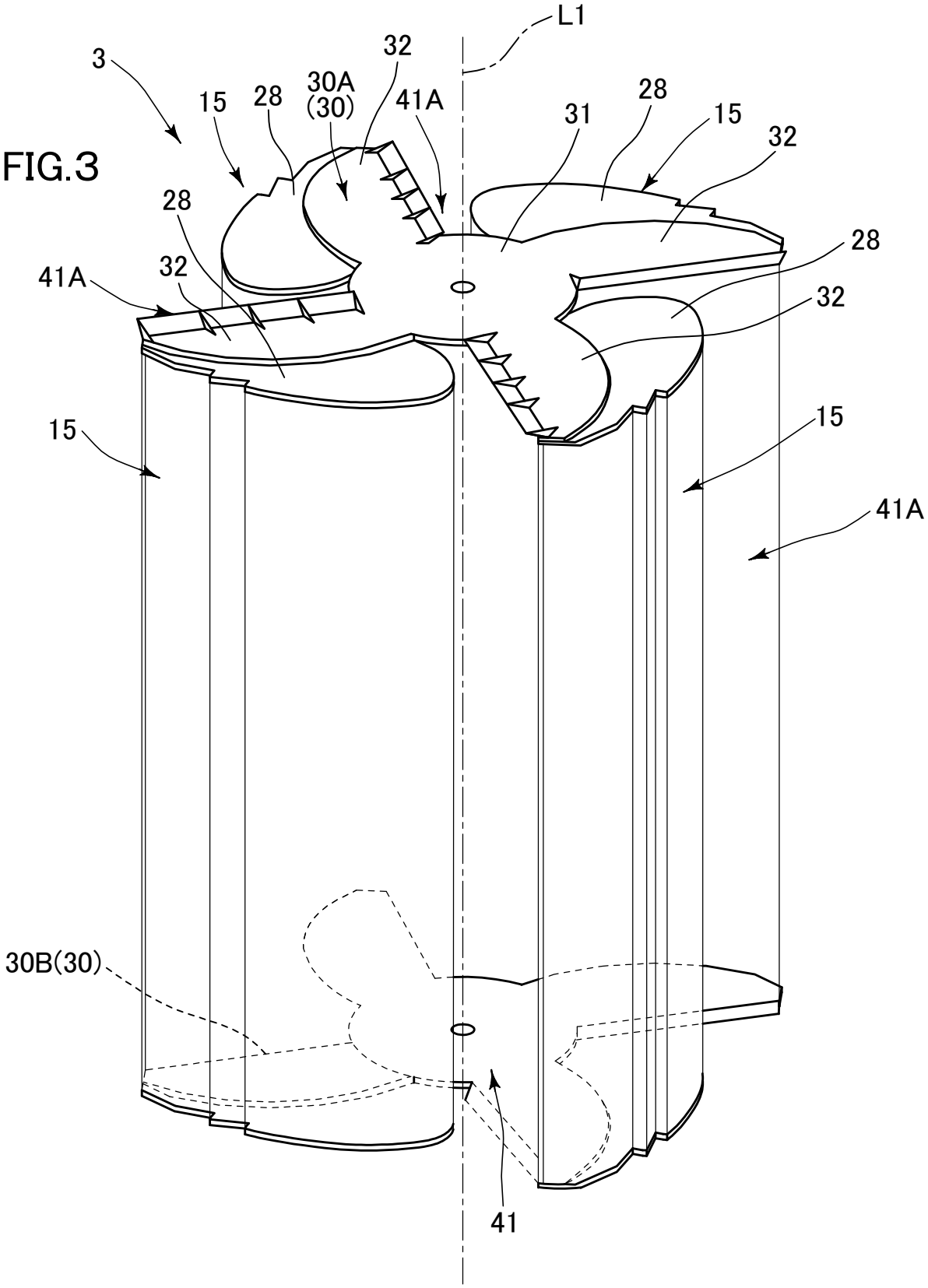

L1
3
32
15
28
30A
(30)
41A
31
28
15
32
28
41A
32
28
32
15
15
41A
30B(30)
41

FIG.4

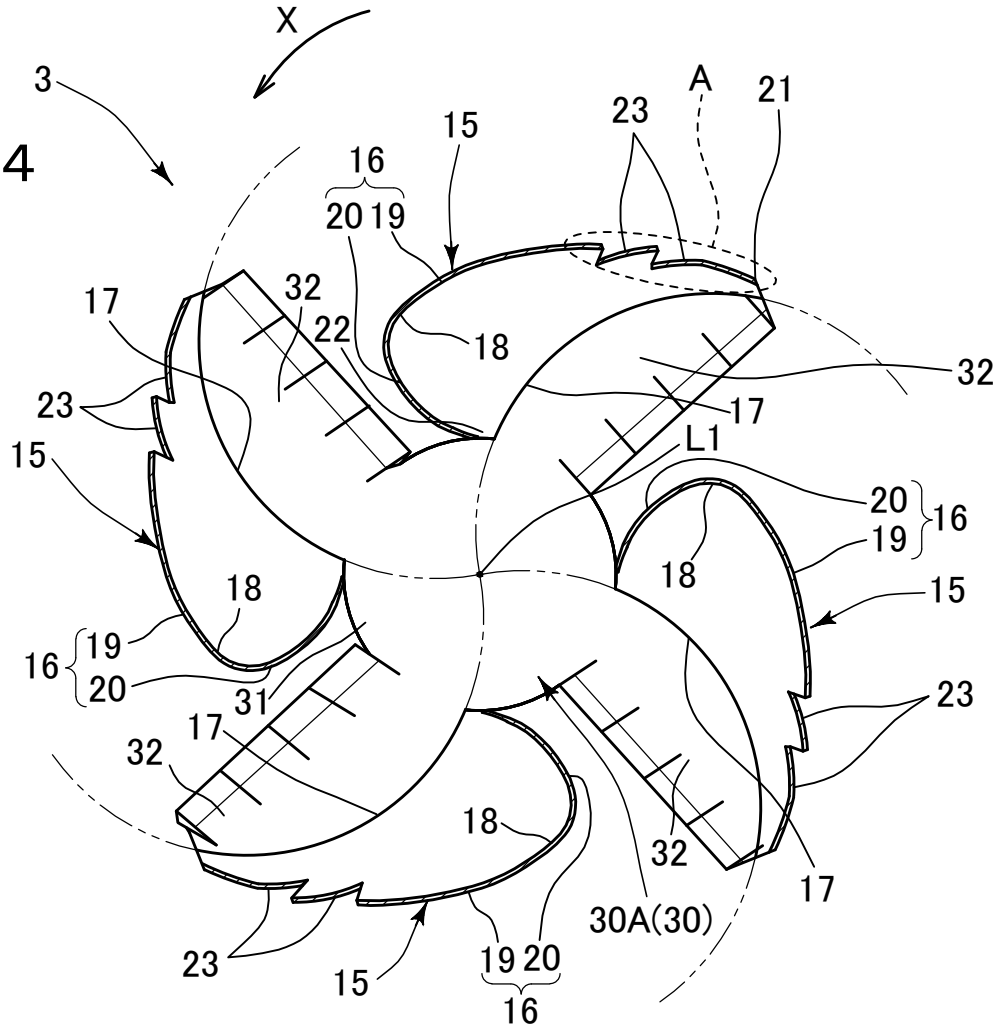

X
3
A
21
23
15
16
20
19
17
32
22
18
23
17
L1
15
20
16
19
18
18
15
16
19
20
31
23
17
32
18
32
17
30A(30)
23
15
19
20
16

FIG.5

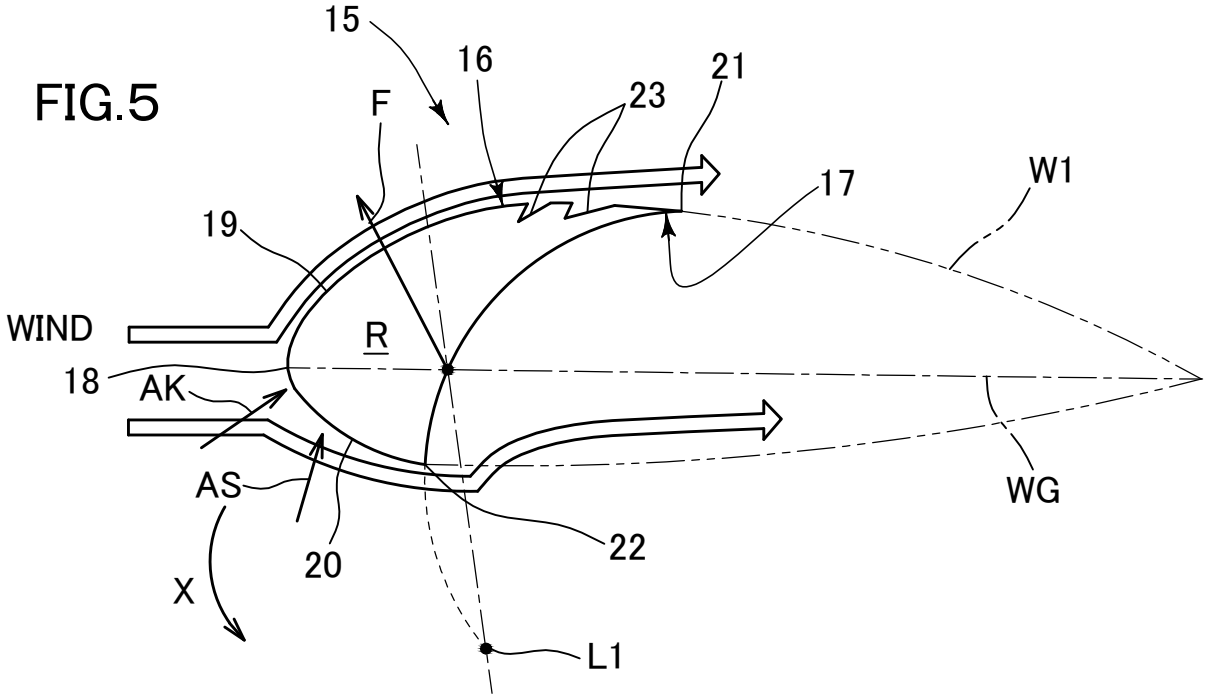

15
16
F
23
21
17
W1
19
WIND
R
18
AK
AS
20
22
WG
X
L1

FIG.6

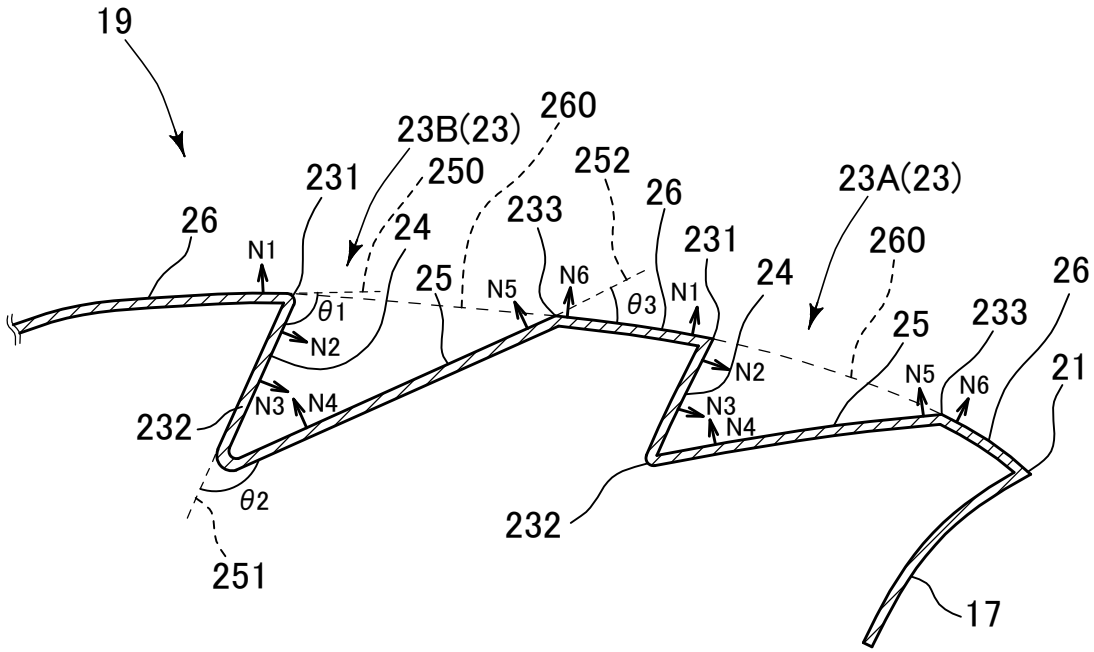

19
23B(23)
260
231
250
252
26
23A(23)
26
N1
24
233
231
260
25
N5
N6
24
26
θ1
θ3
N1
N2
25
233
N2
N5
N6
21
N3
N4
N3
N4
232
θ2
232
251
17

FIG.7

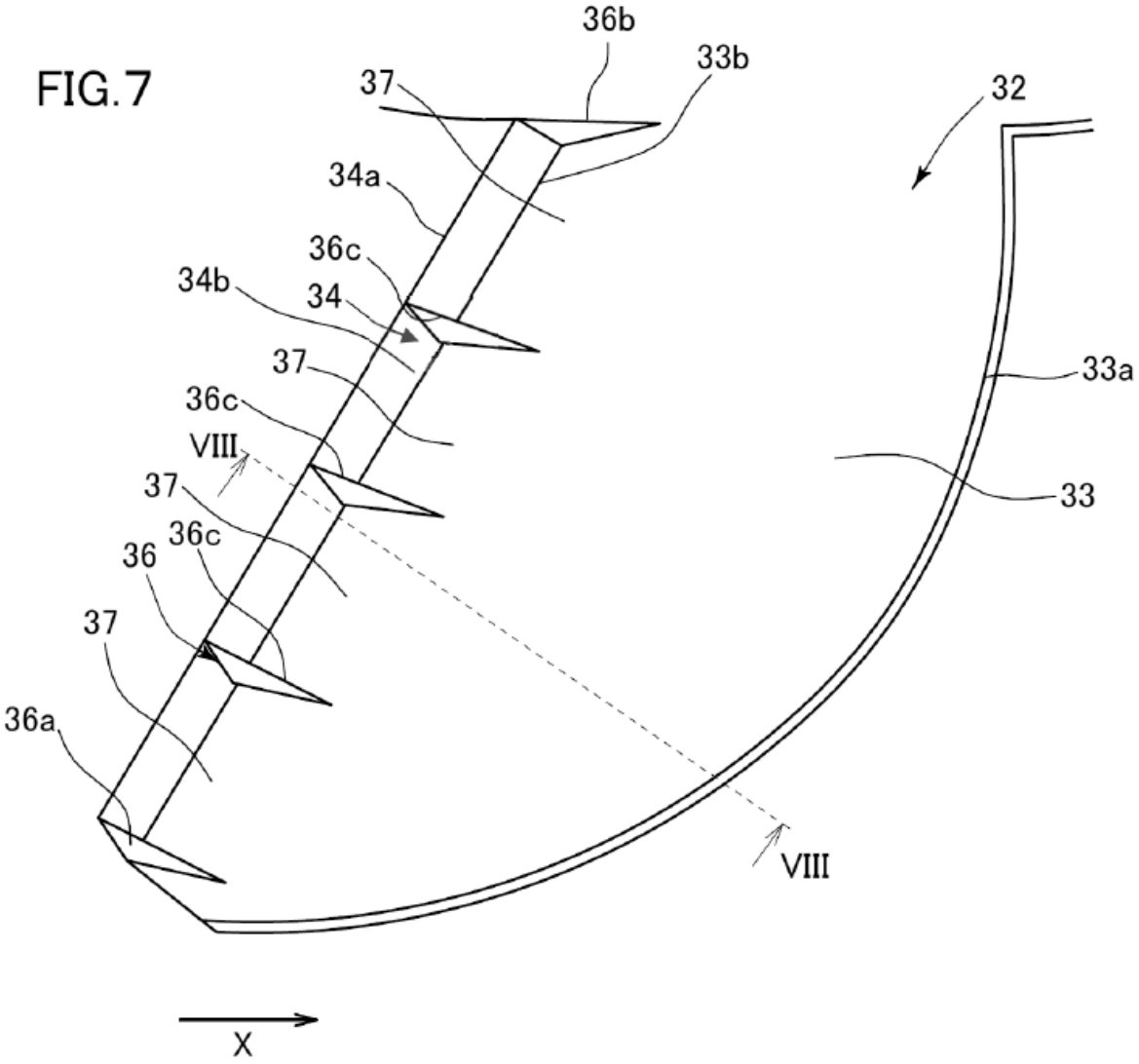

36b
33b
37
32
34a
36c
34b
34
37
33a
36c
VIII
37
33
36c
36
37
36a
VIII
X

FIG.8

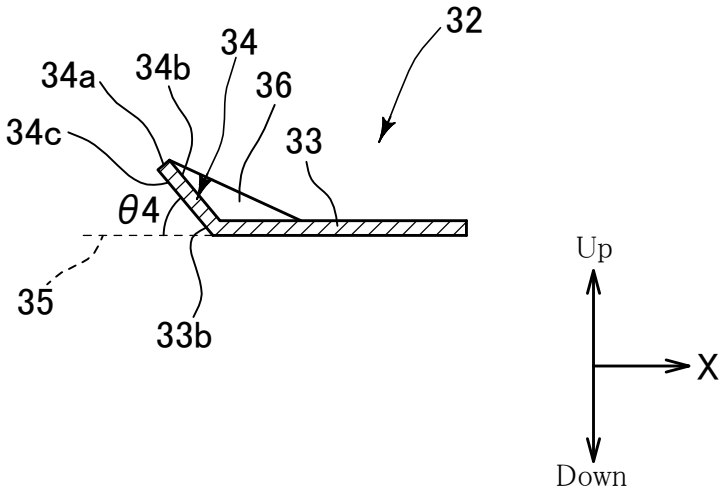

32
34
34a
34b
36
34c
33
θ4
35
33b
Up
X
Down

FIG.9

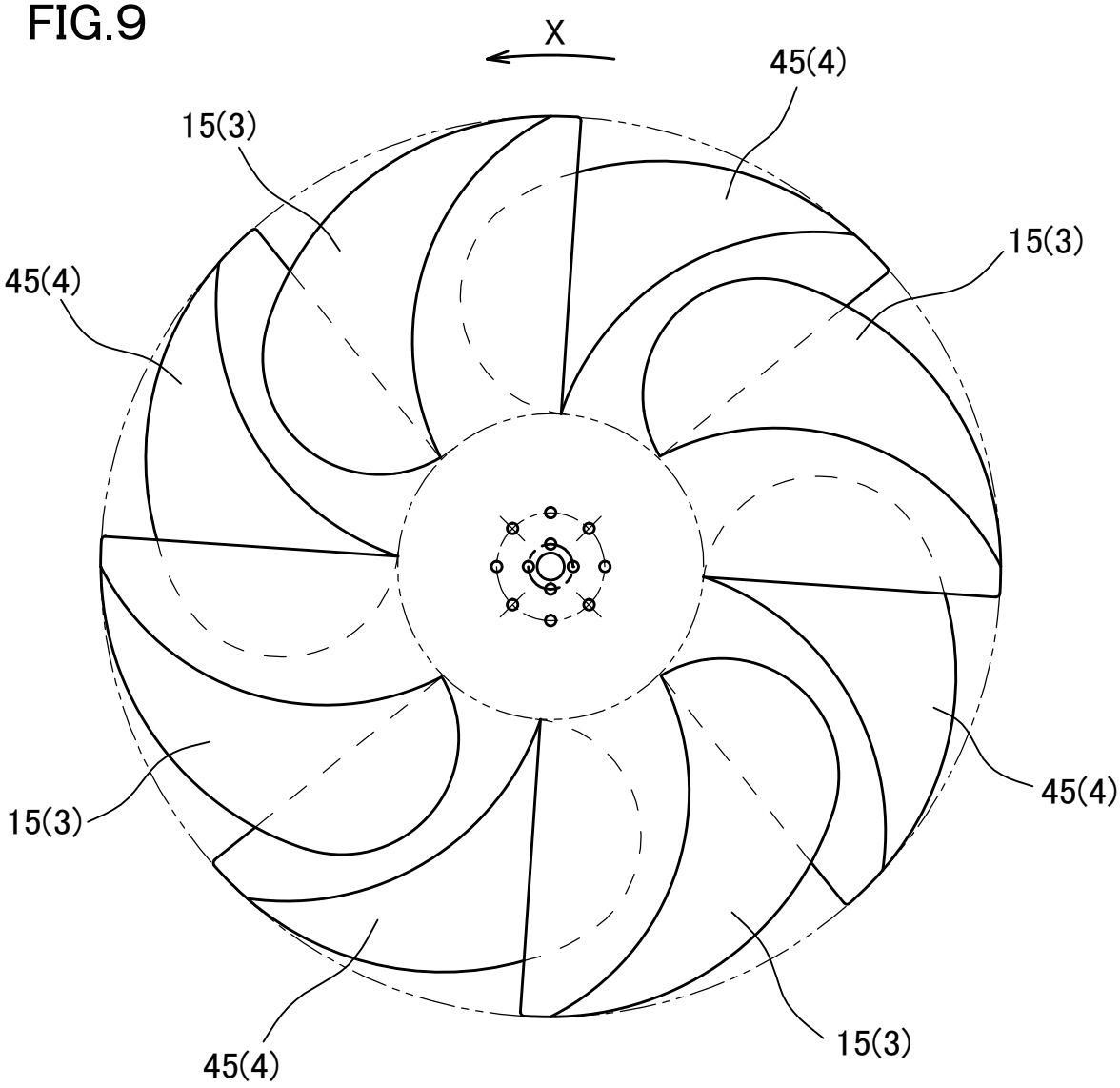


FIG.10

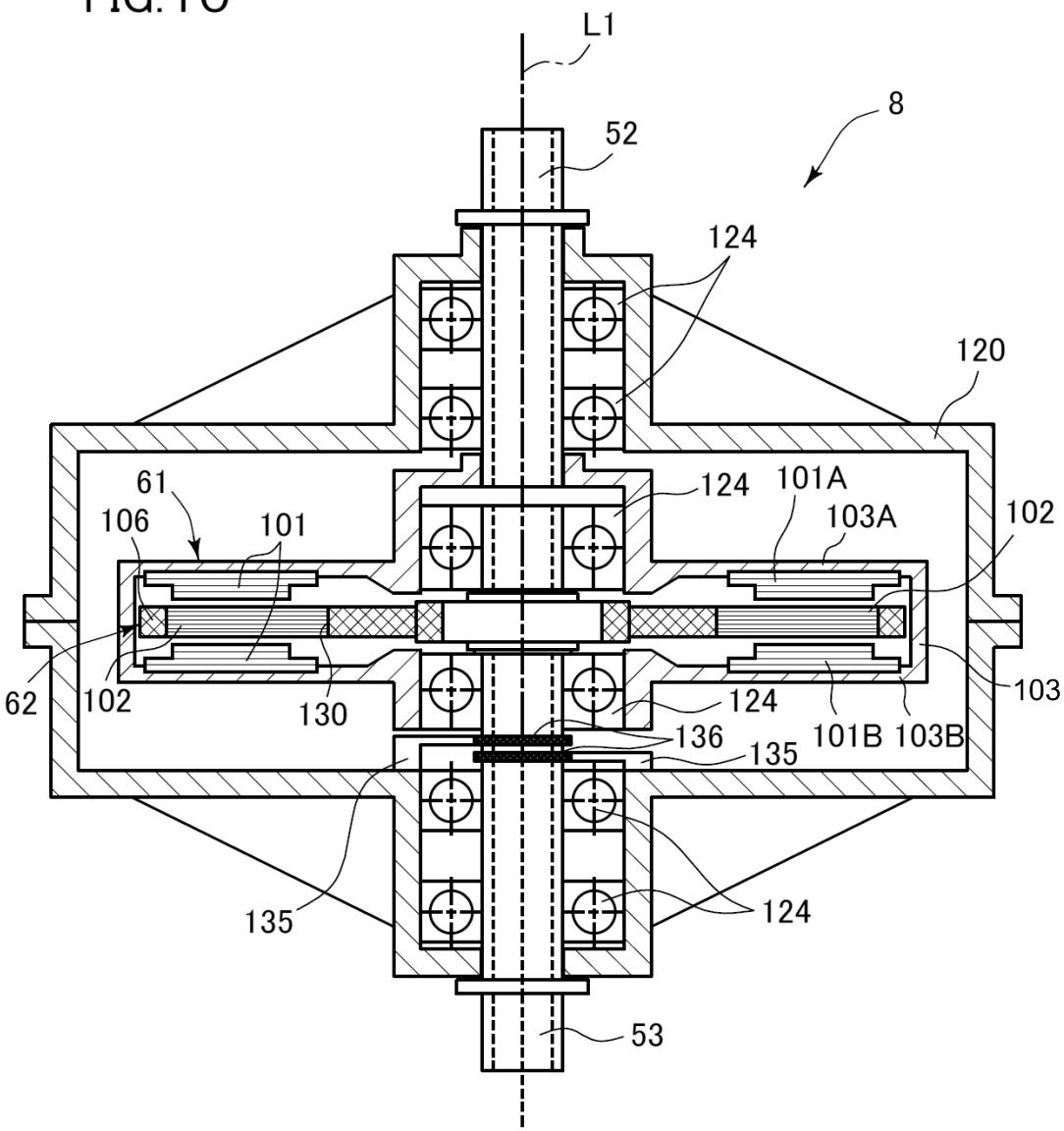

L1
8
52
124
120
61
106
101
124
101A
103A
102
62
102
130
124
103
136
135
101B
103B
135
124
53

FIG.11

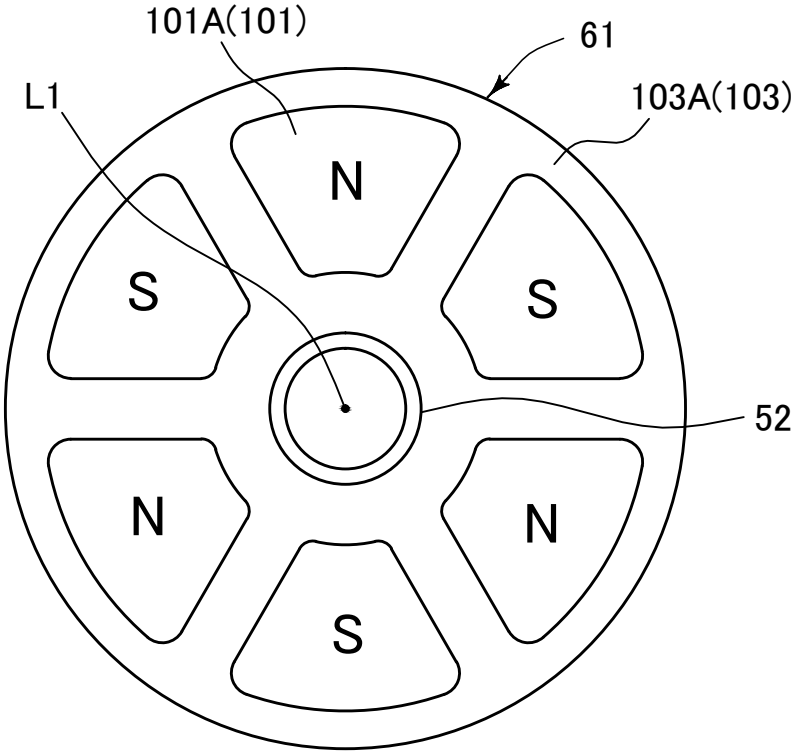


FIG.12

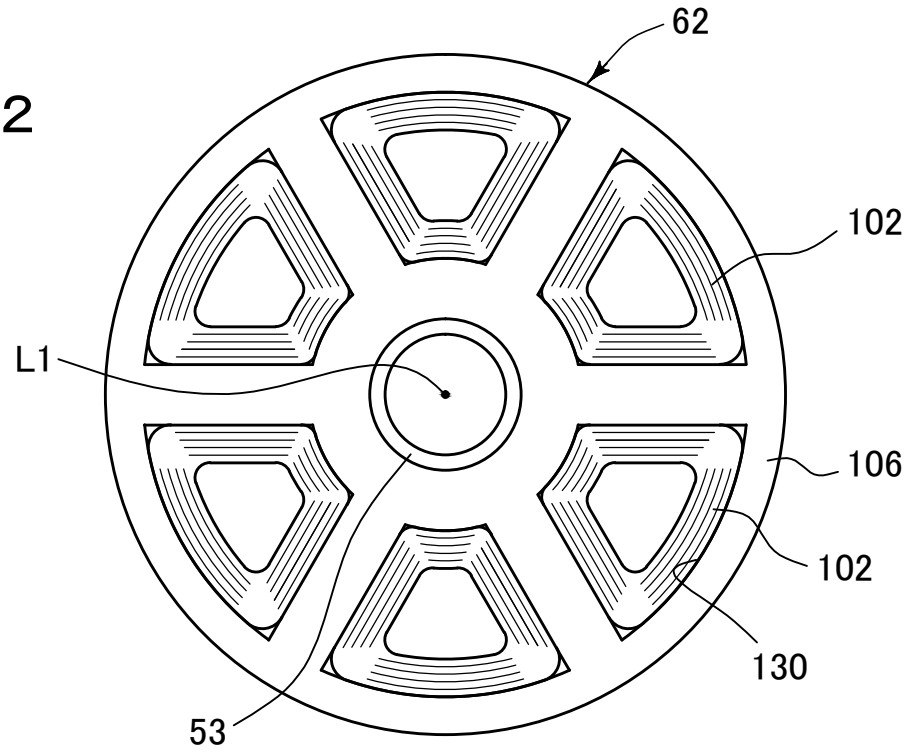


FIG.13

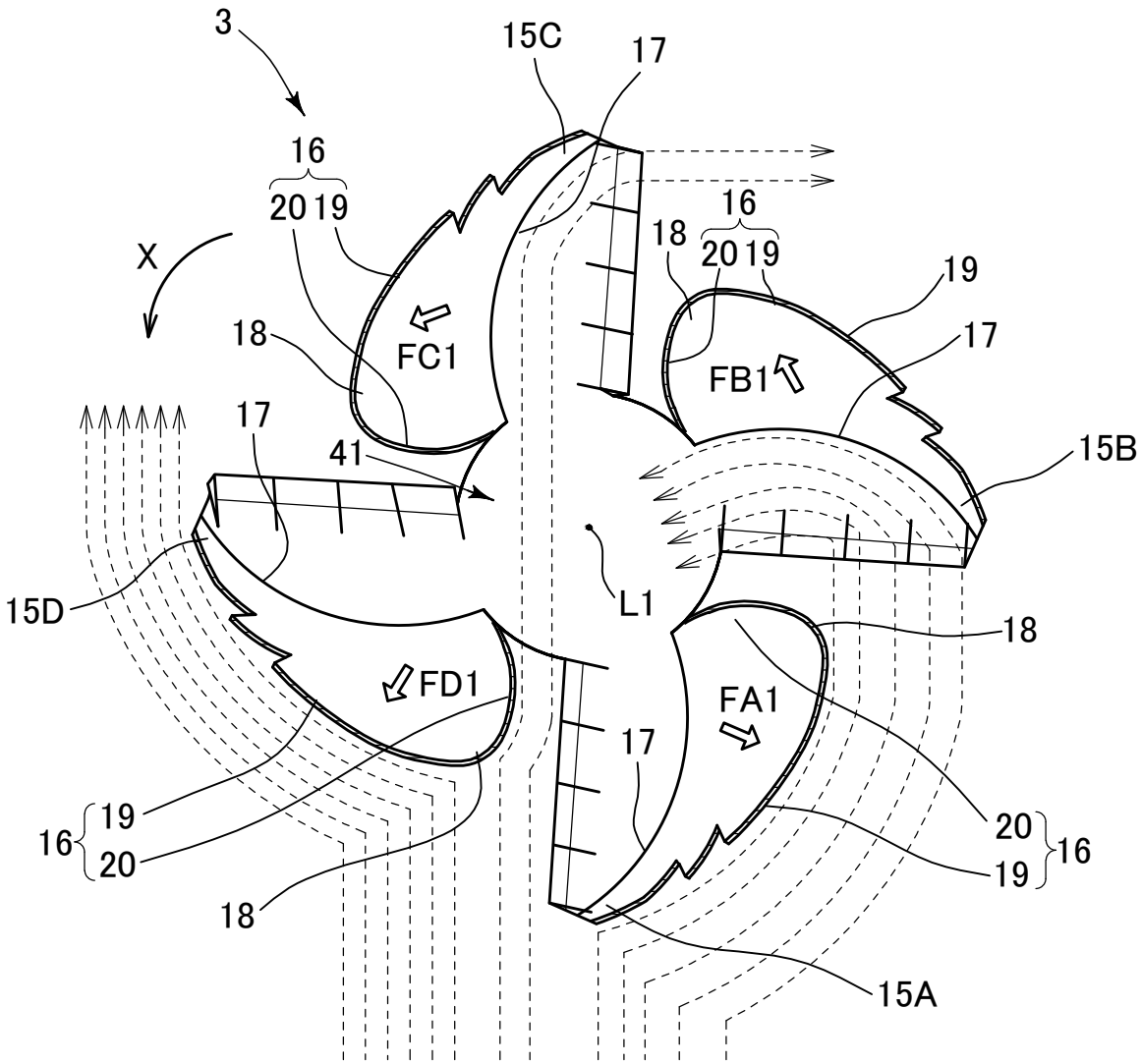

3
15C
17
16
20
19
X
18
FC1
16
18
20
19
19
17
FB1
17
41
15B
15D
L1
18
FD1
FA1
17
16
19
20
18
20
19
16
15A

FIG.14

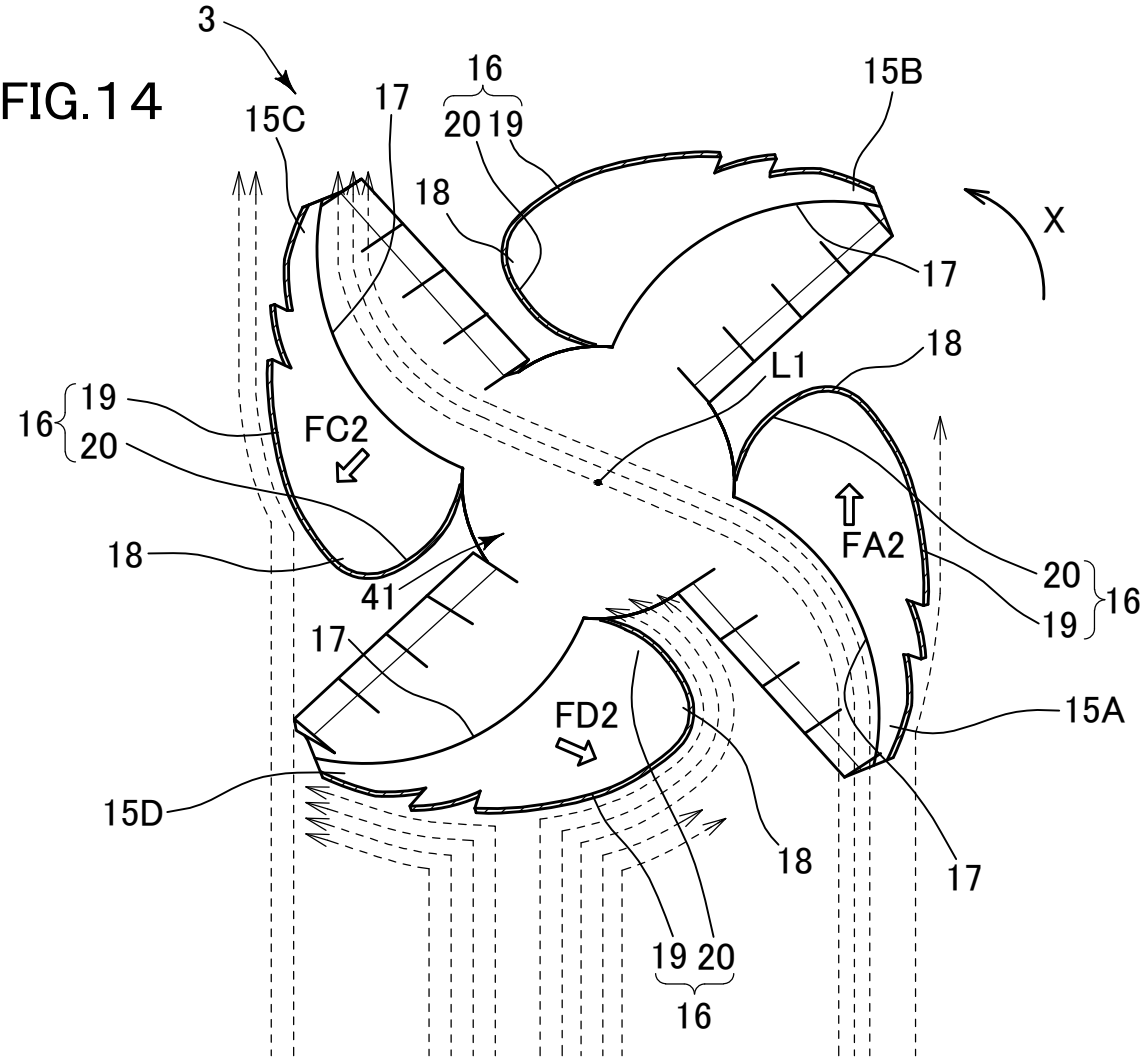

3
15C
17
16
20 19
15B
18
X
17
L1
18
16
19
20
FC2
FA2
18
41
20
19
16
17
FD2
15A
15D
18
17
19 20
16

FIG.15

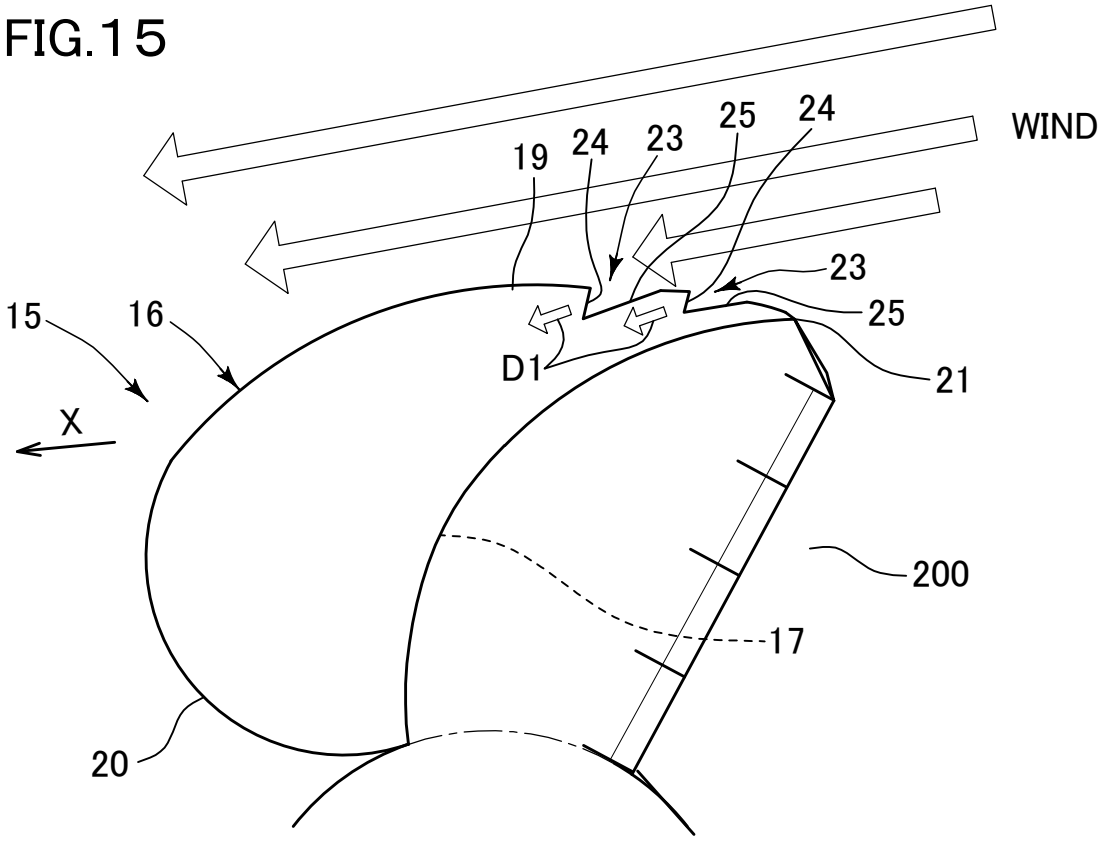


FIG.16

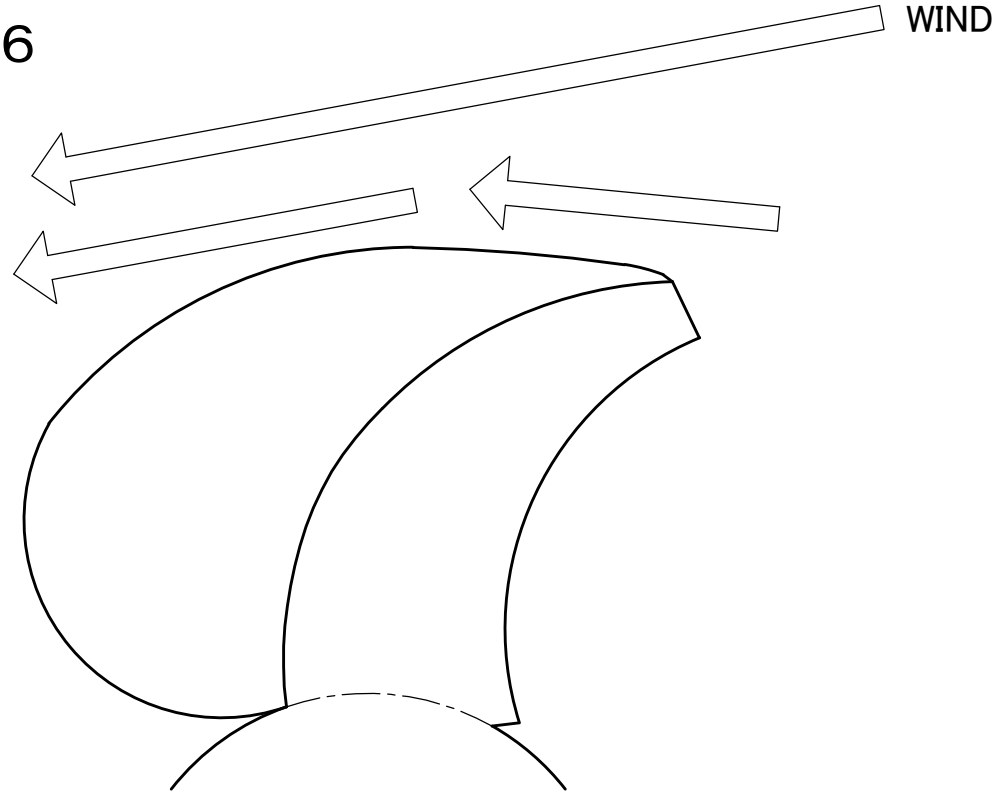


FIG.17

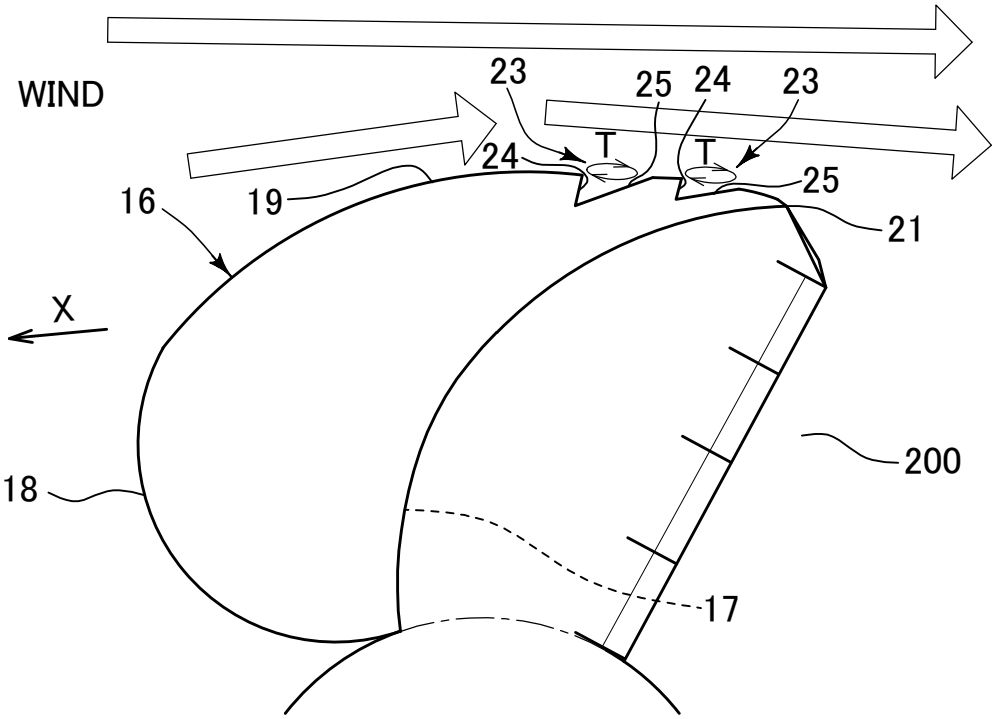


FIG.18

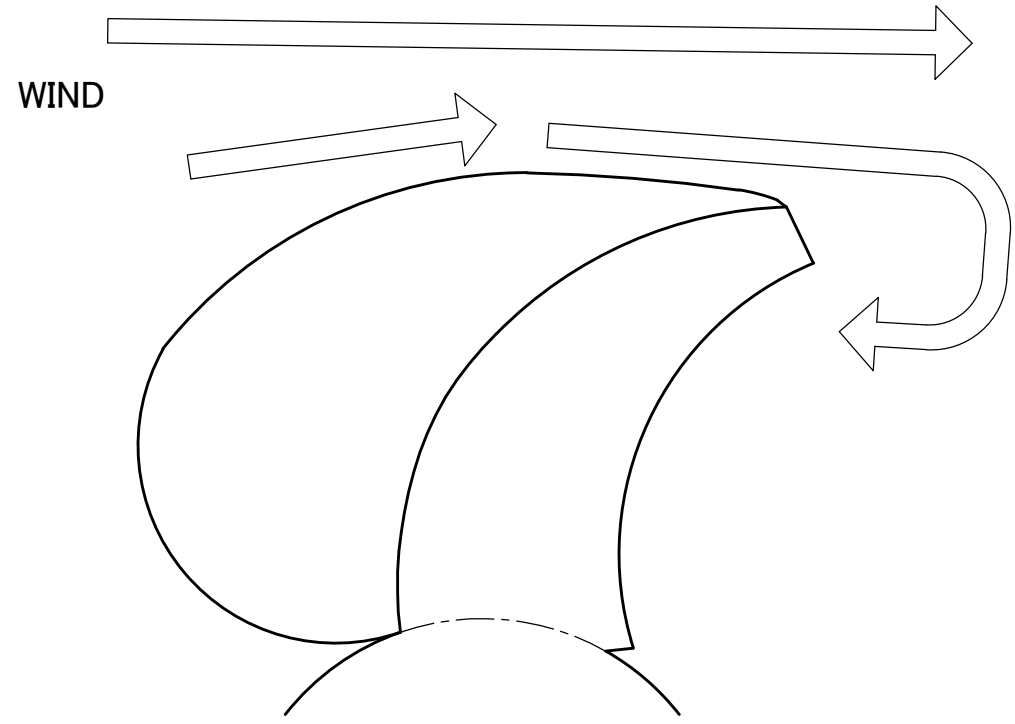


FIG.19

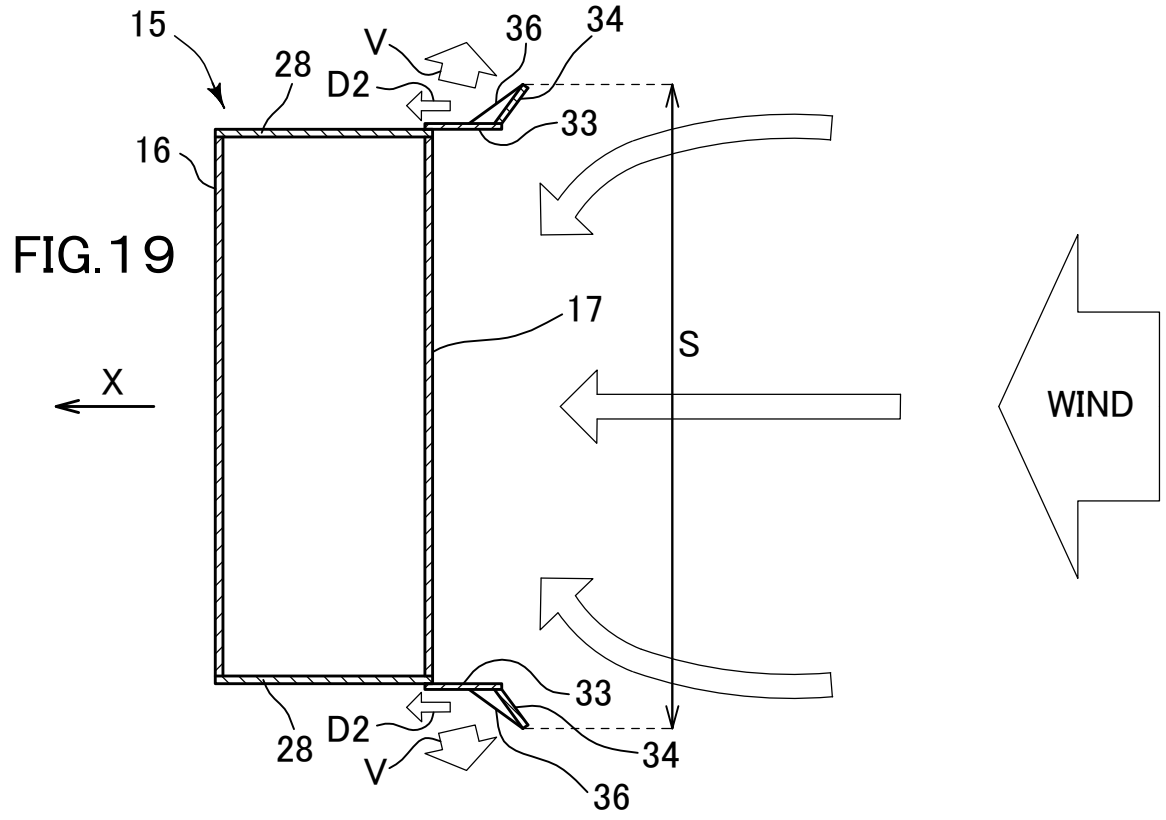

15
28
V
D2
36
34
33
16
17
S
X
WIND
33
D2
28
V
34
36

FIG.20

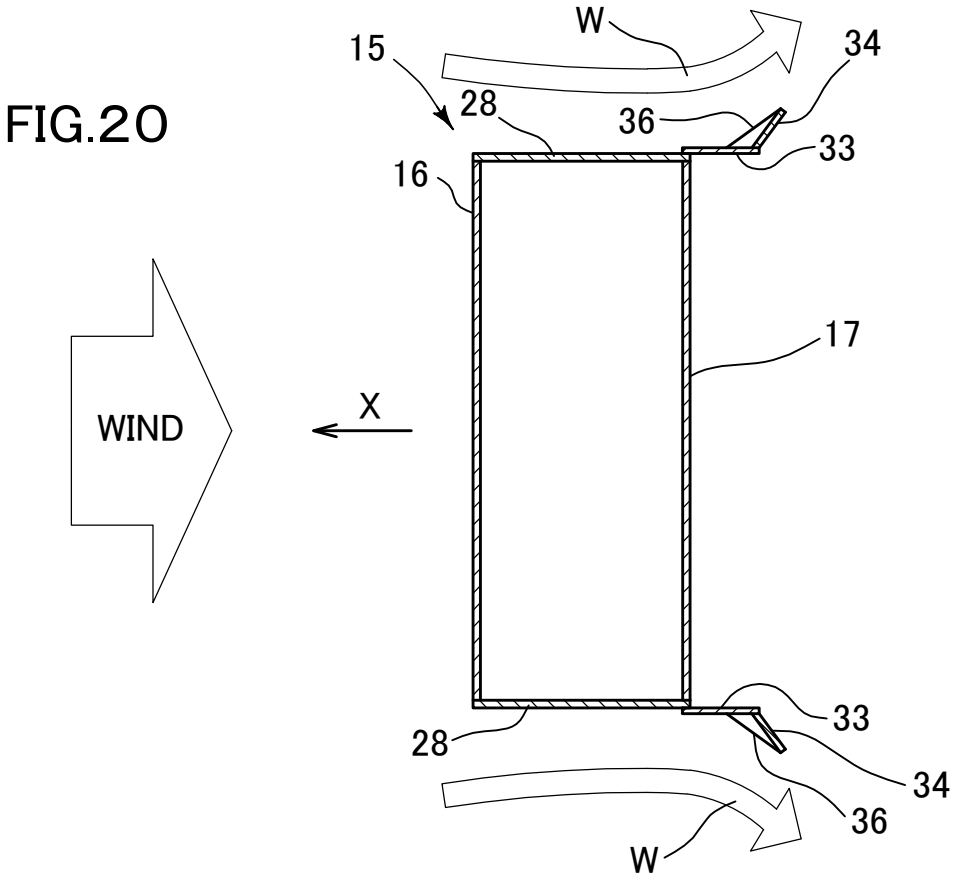

W
15
34
28
36
33
16
17
WIND
X
33
28
34
36
W

FIG.21

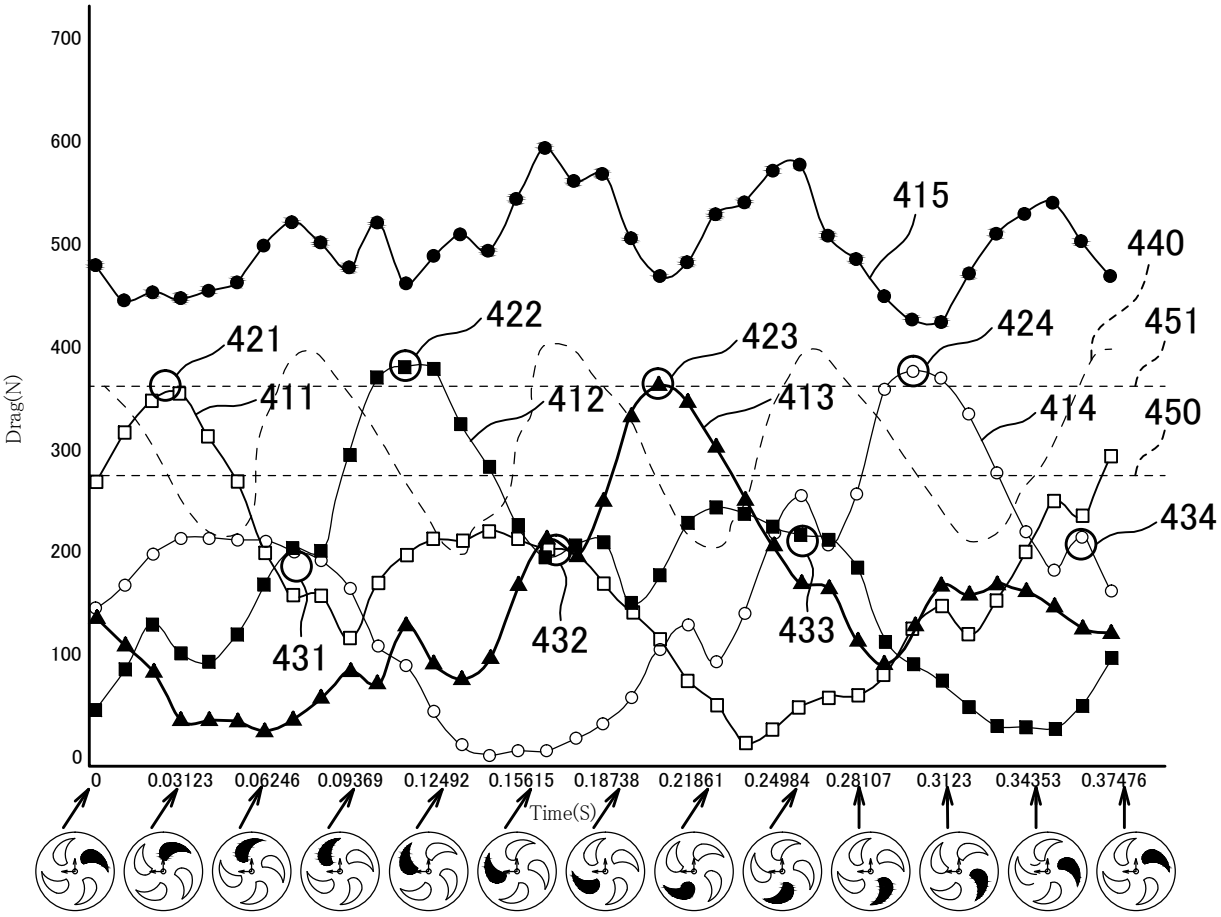

700
600
500
400
300
200
100
0
Drag(N)
0
0.03123
0.06246
0.09369
0.12492
0.15615
0.18738
0.21861
0.24984
0.28107
0.3123
0.34353
0.37476
Time(S)
415
440
421
422
423
424
451
411
412
413
414
450
434
431
432
433

FIG.22

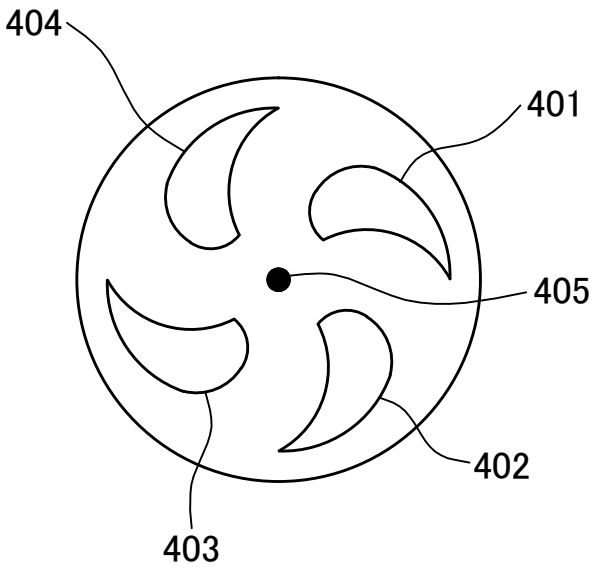

404
401
405
402
403

FIG.23

