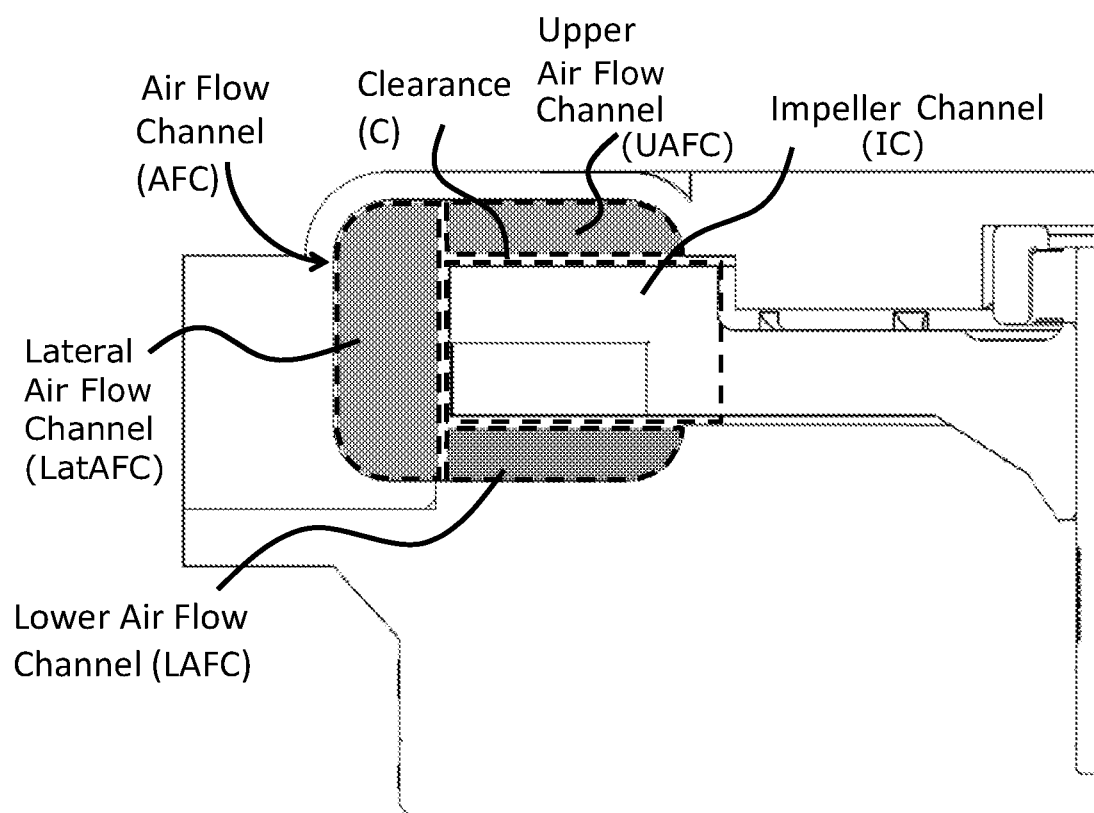
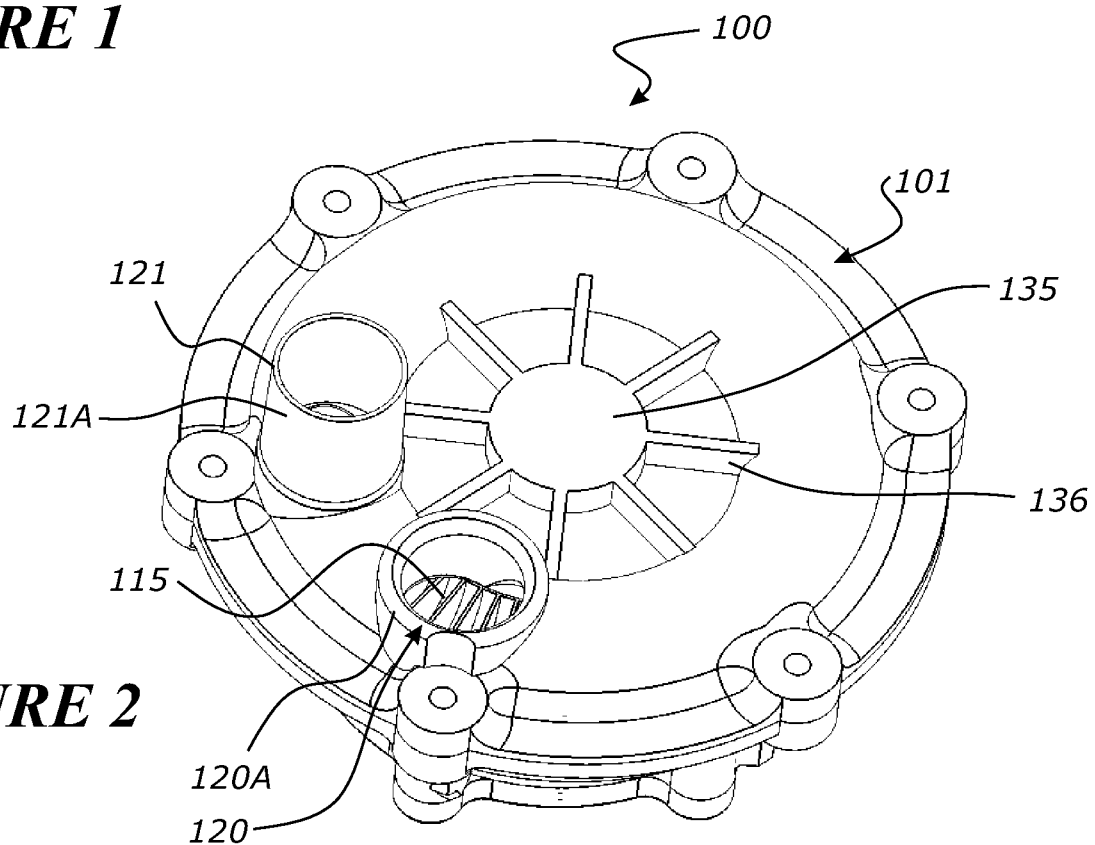


**FIGURE 1****FIGURE 2**

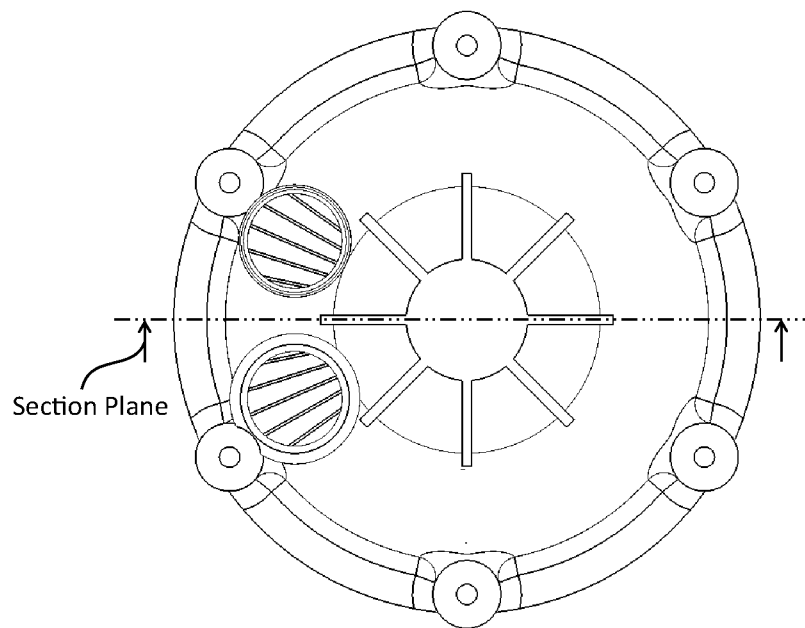


FIGURE 3A

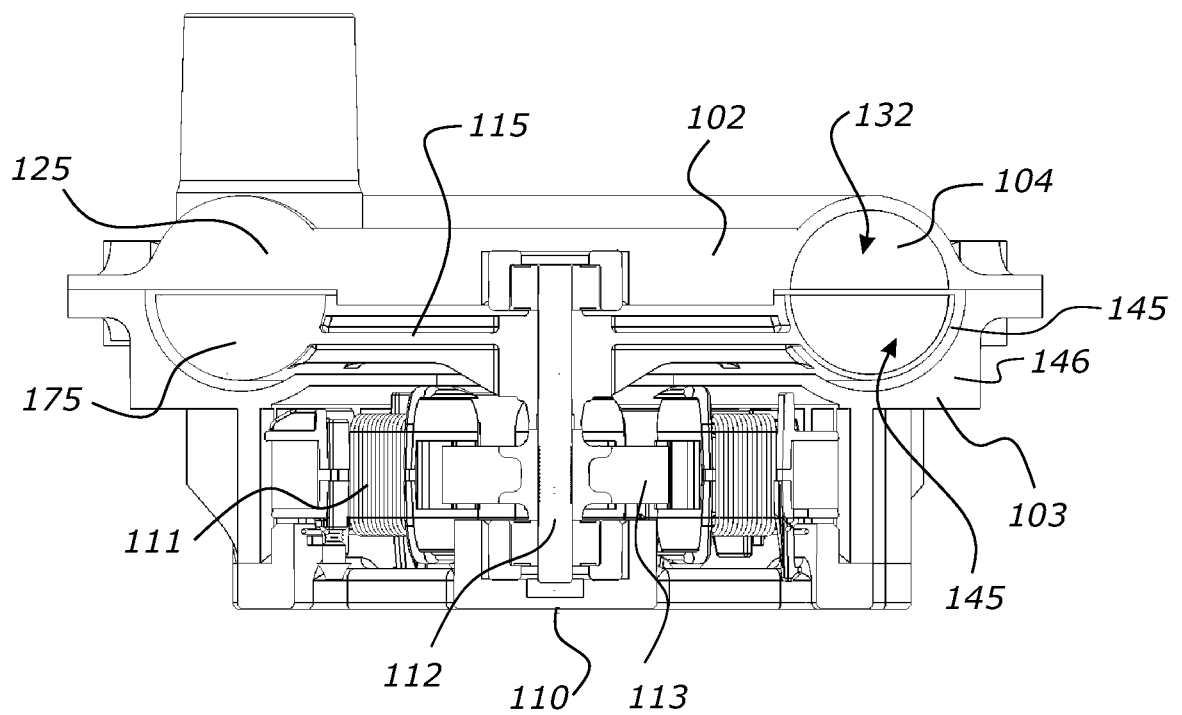


FIGURE 3B

3 / 60

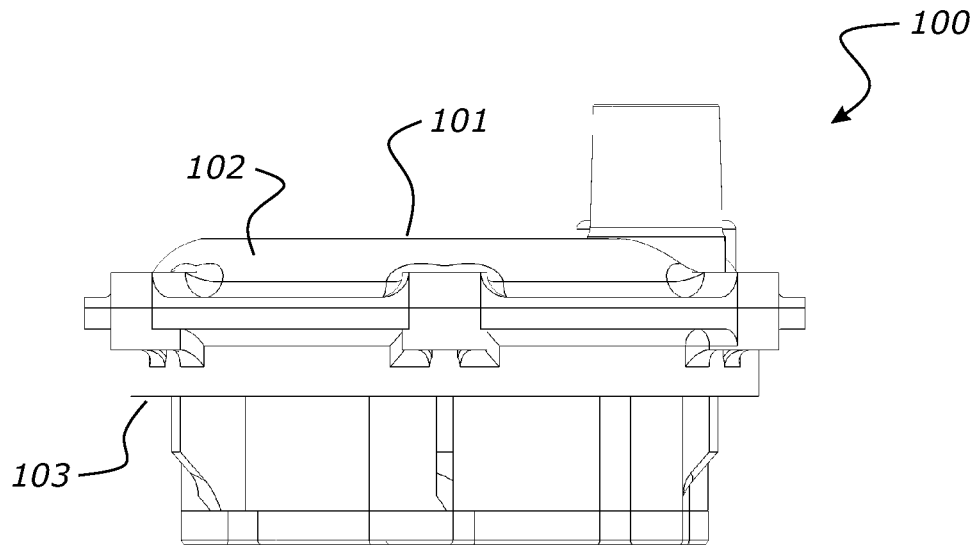


FIGURE 4A

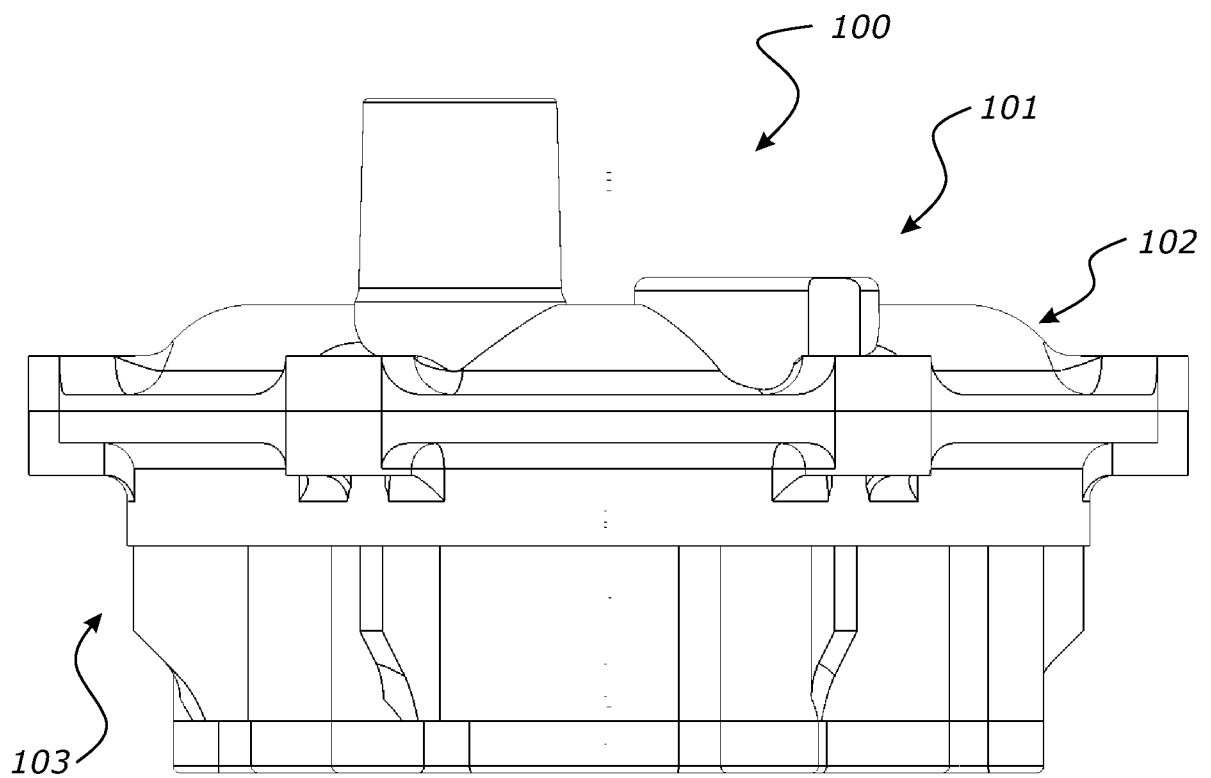


FIGURE 4B

4 / 60

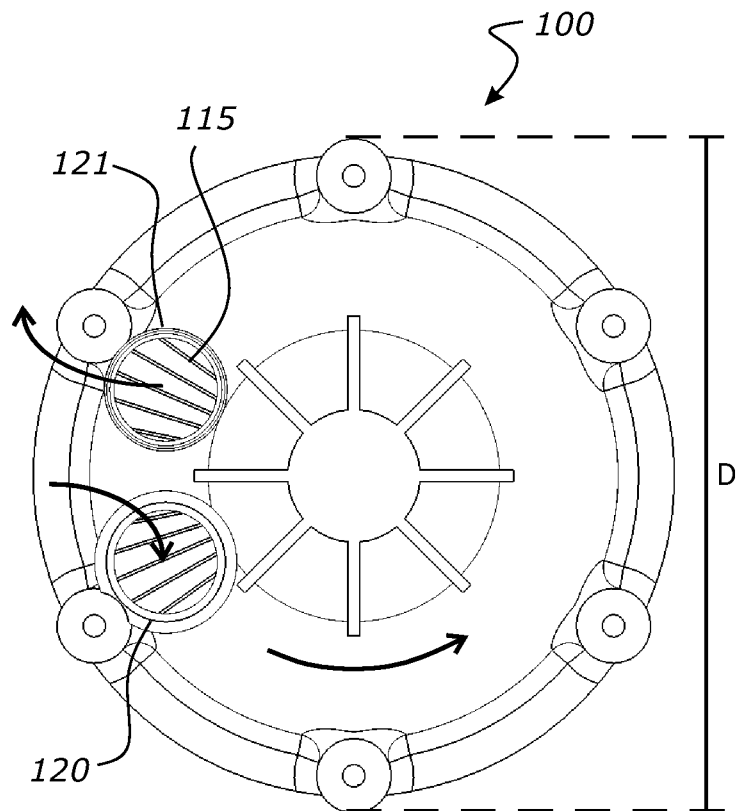


FIGURE 5A

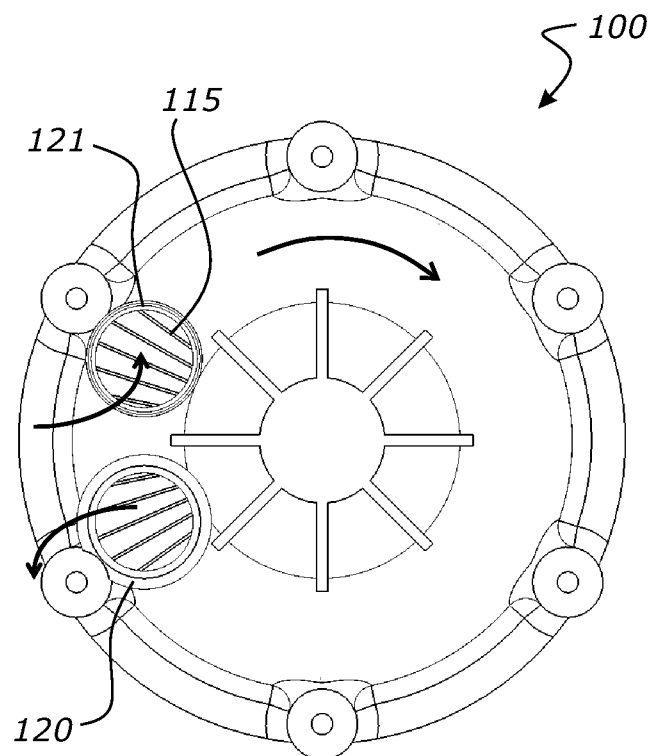
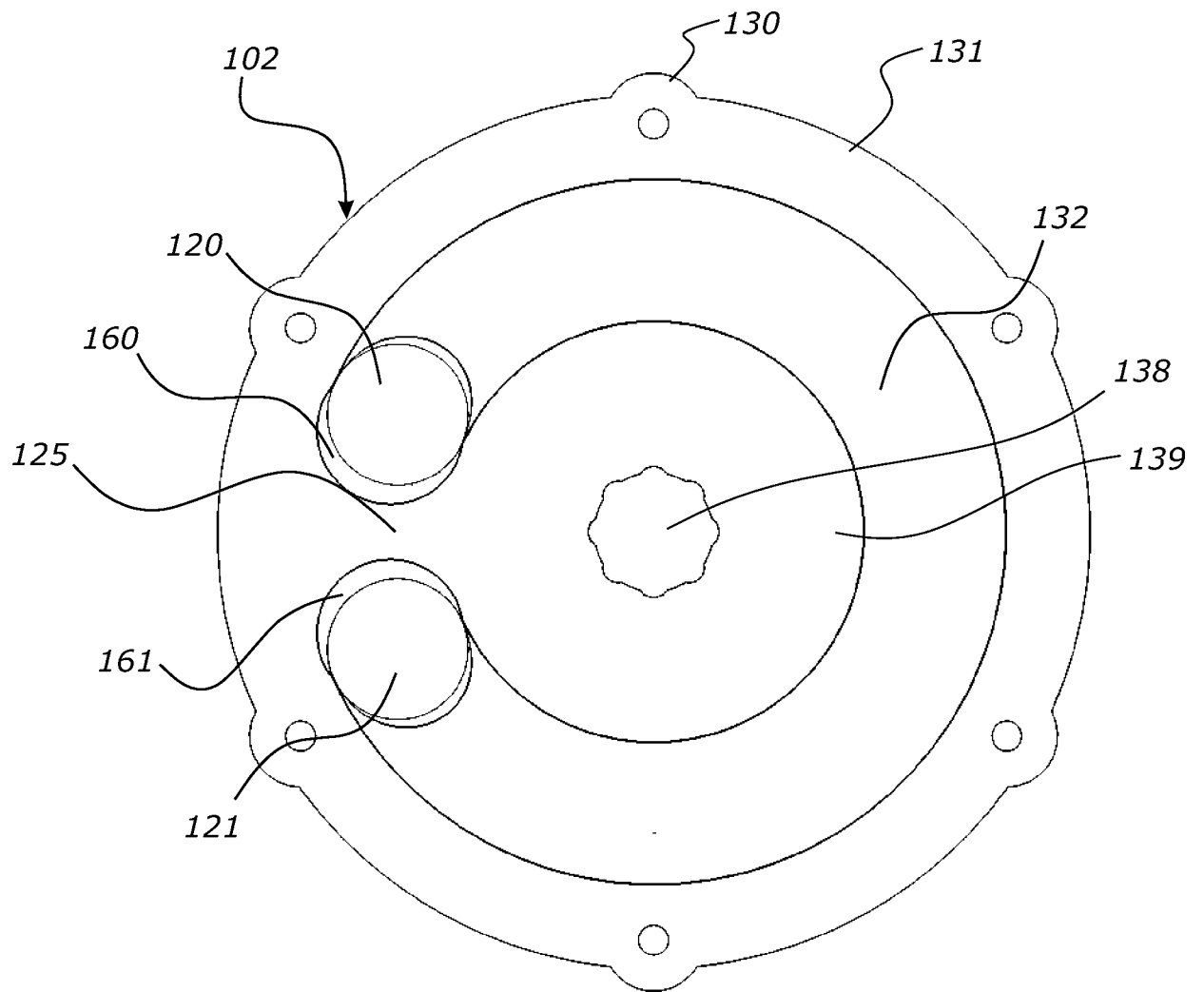


FIGURE 5B

**FIGURE 6**

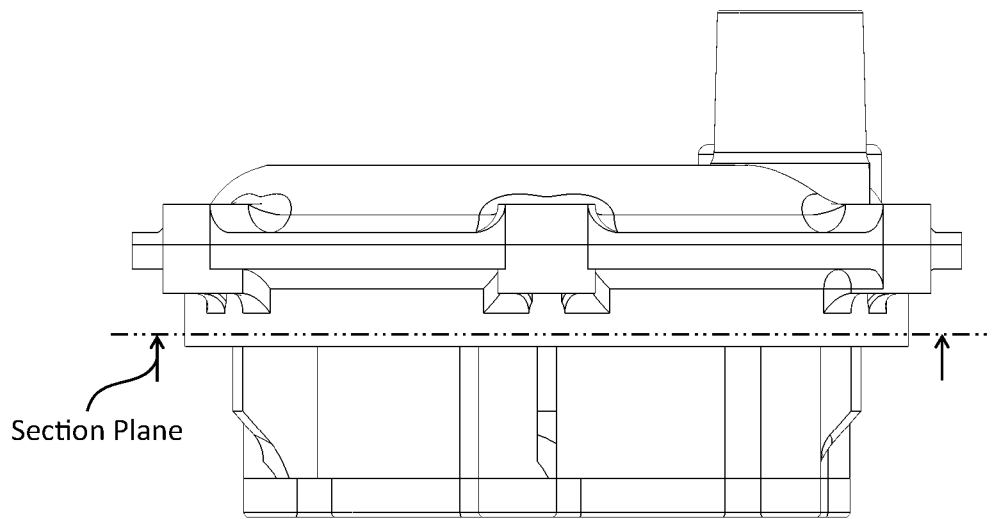


FIGURE 7A

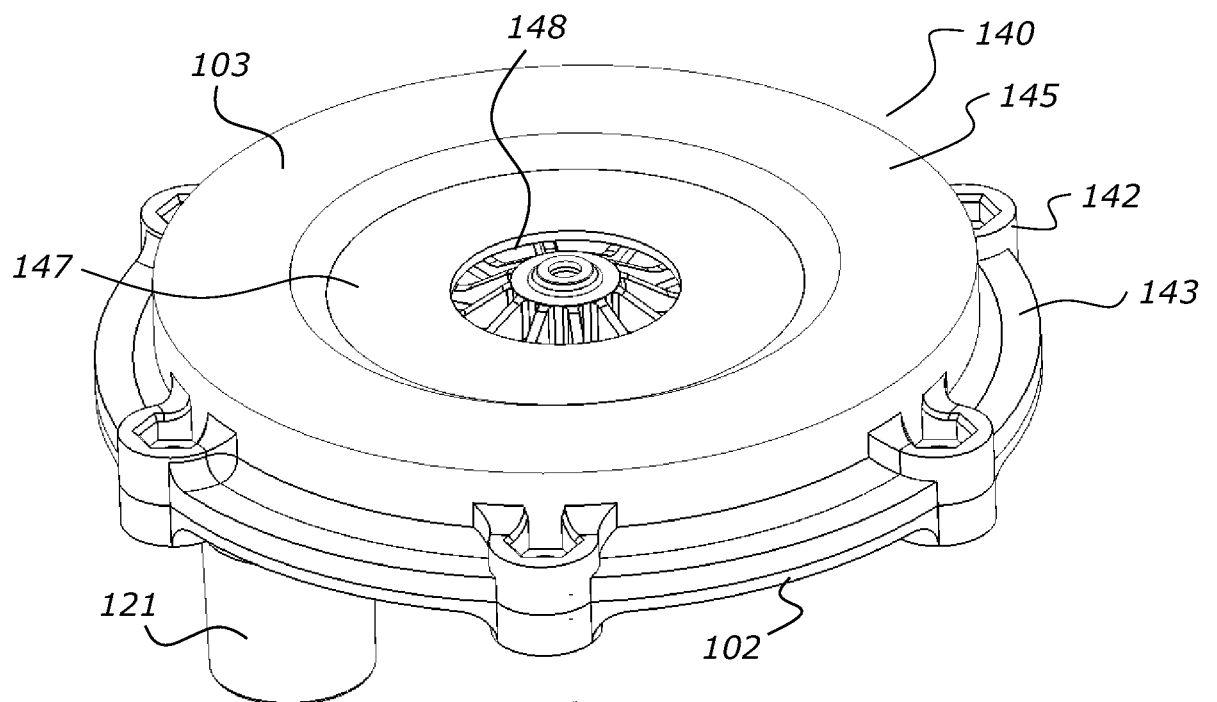


FIGURE 7

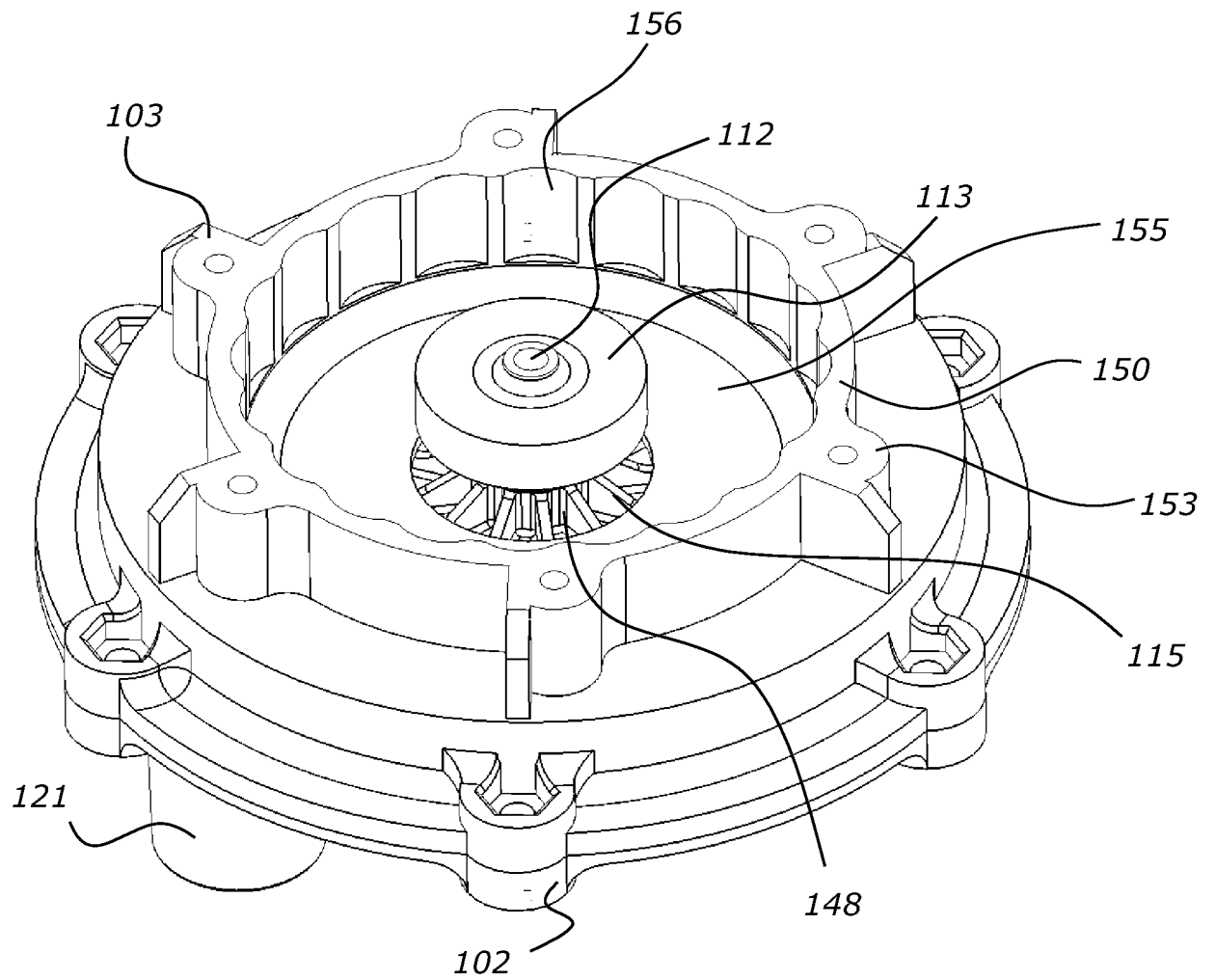


FIGURE 8

8 / 60

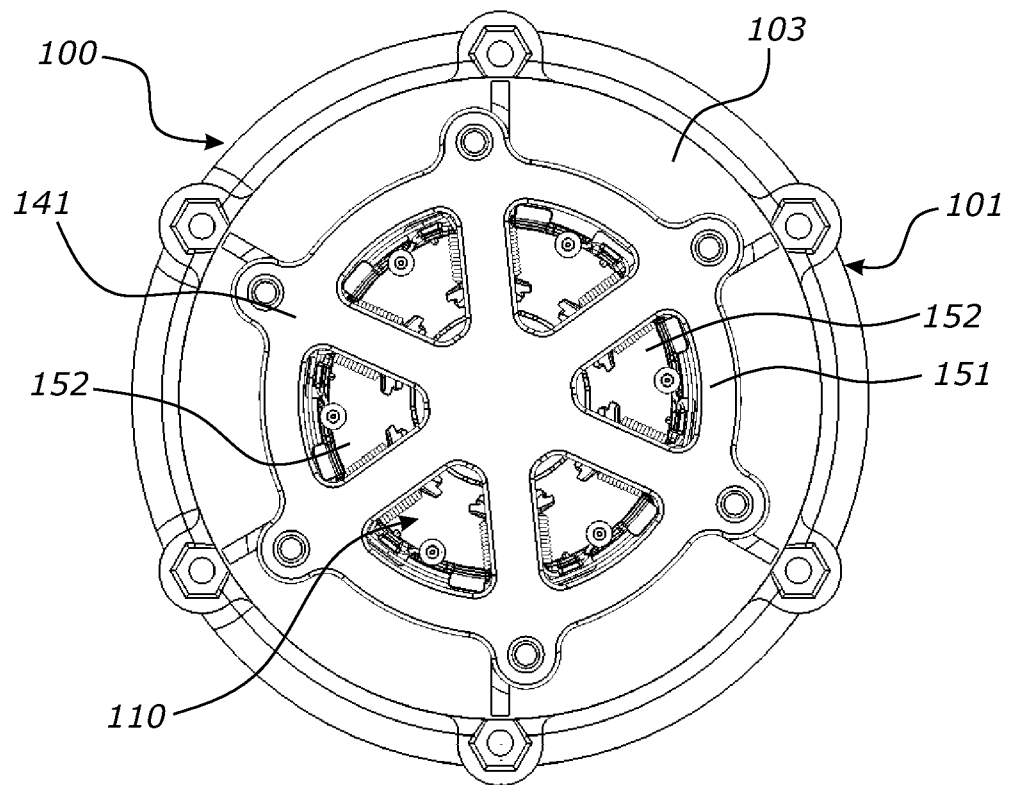


FIGURE 9

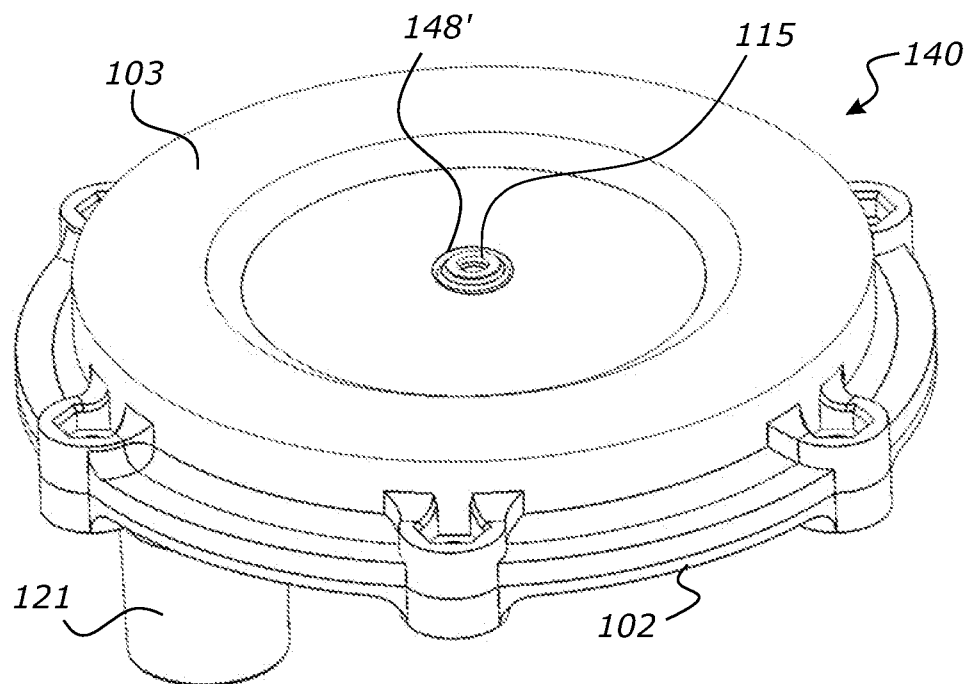
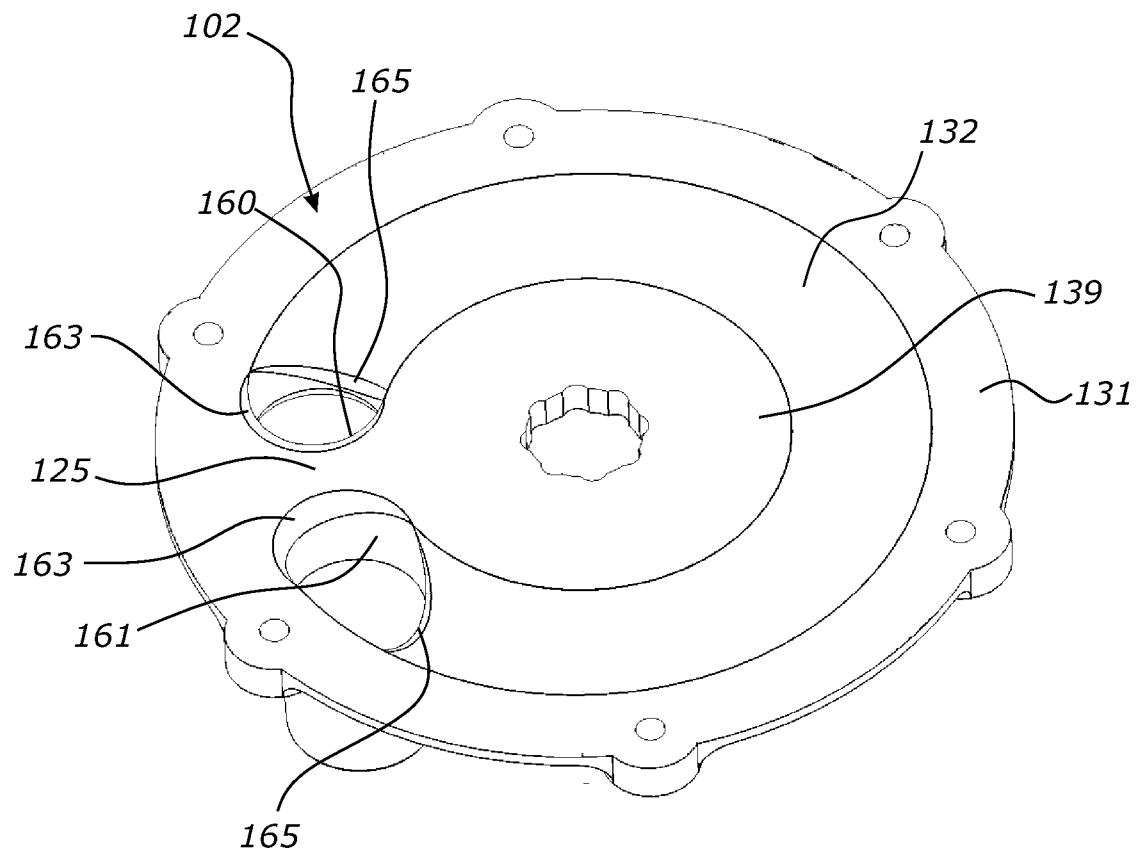
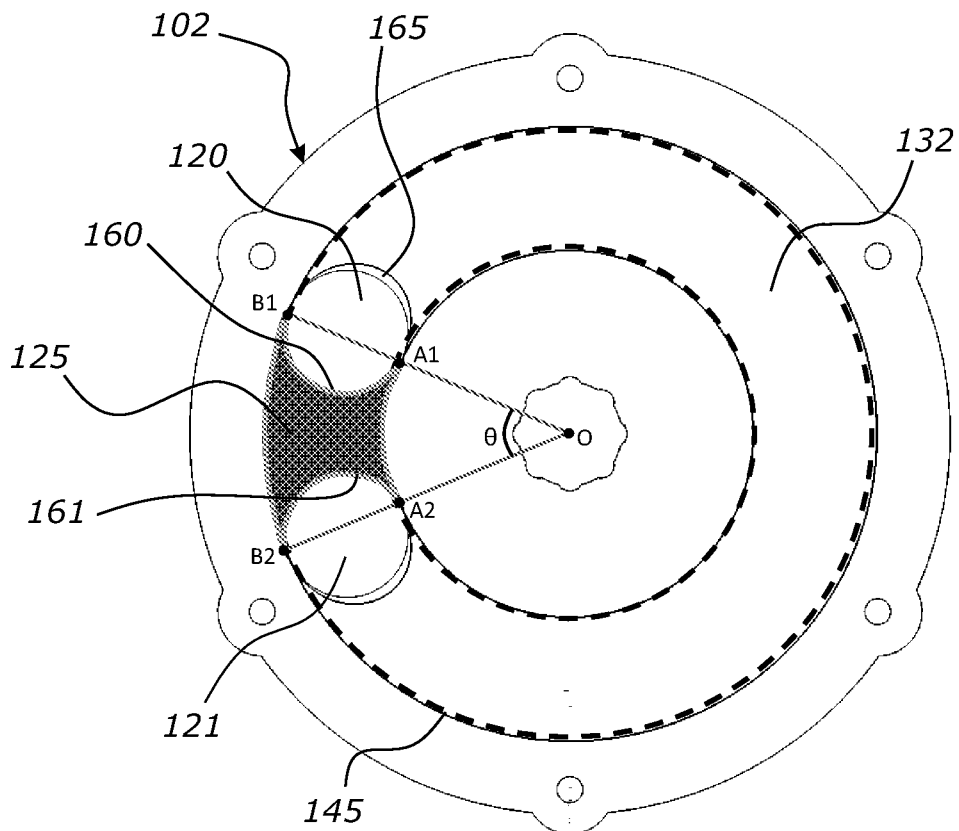


FIGURE 10

9/60

**FIGURE 11****FIGURE 12**

10 / 60

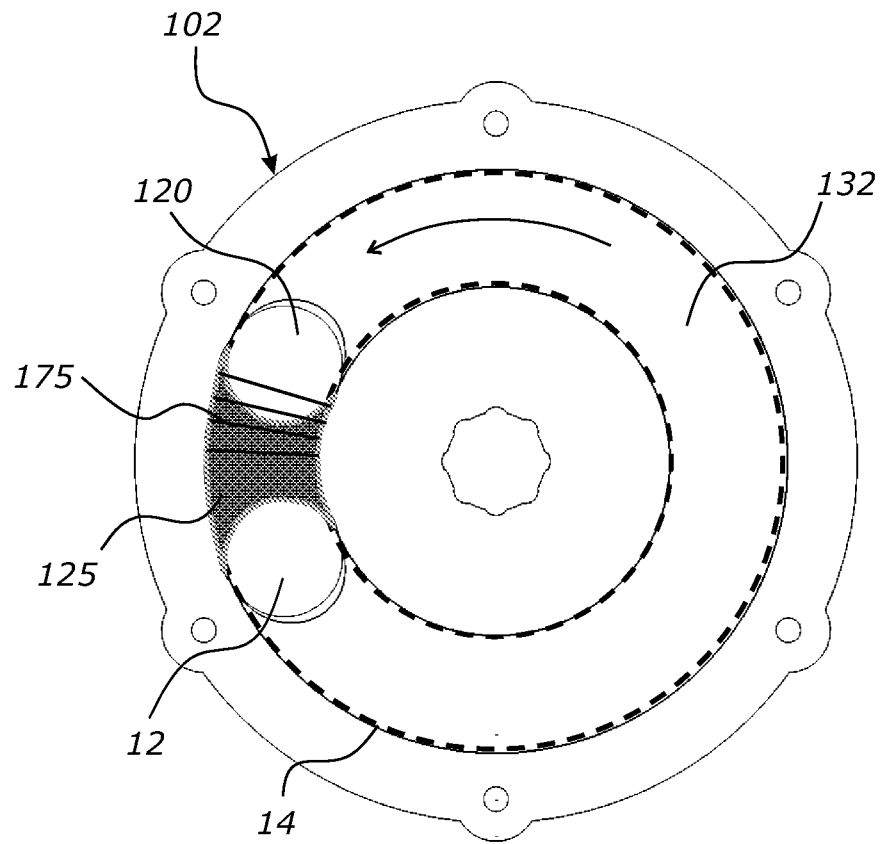


FIGURE 13

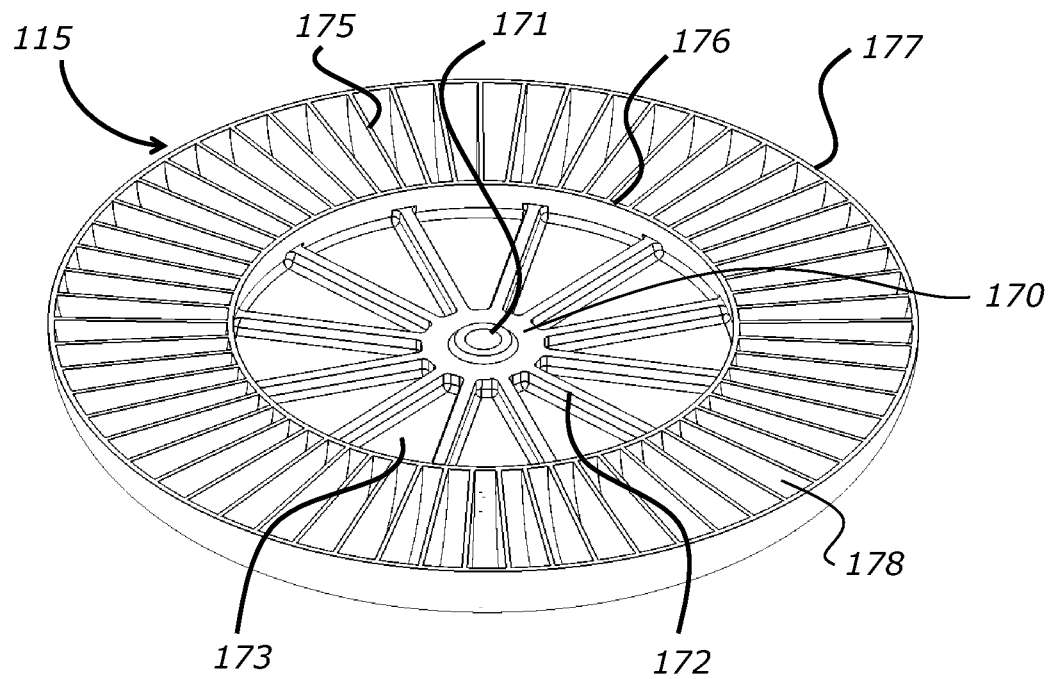
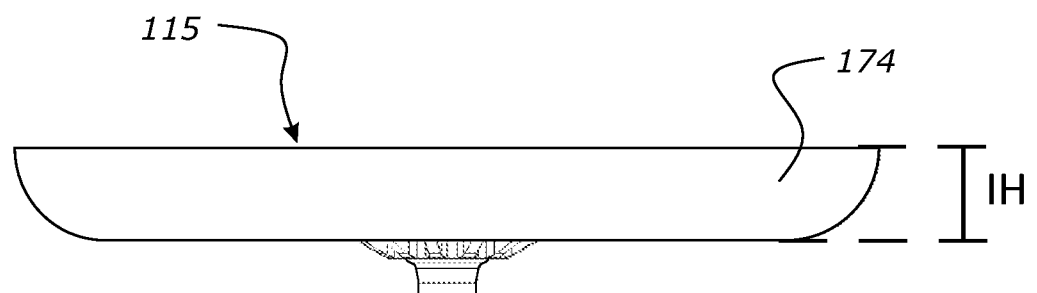
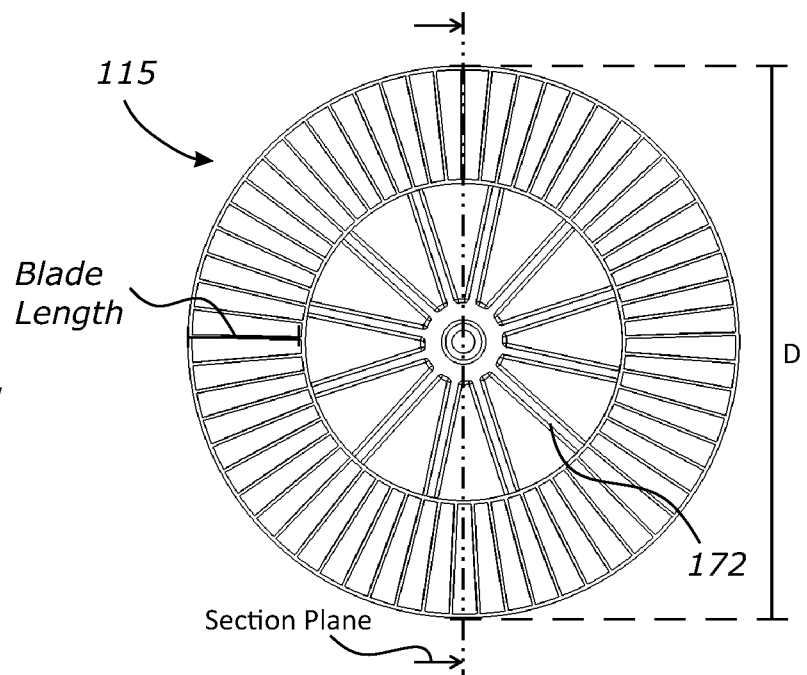
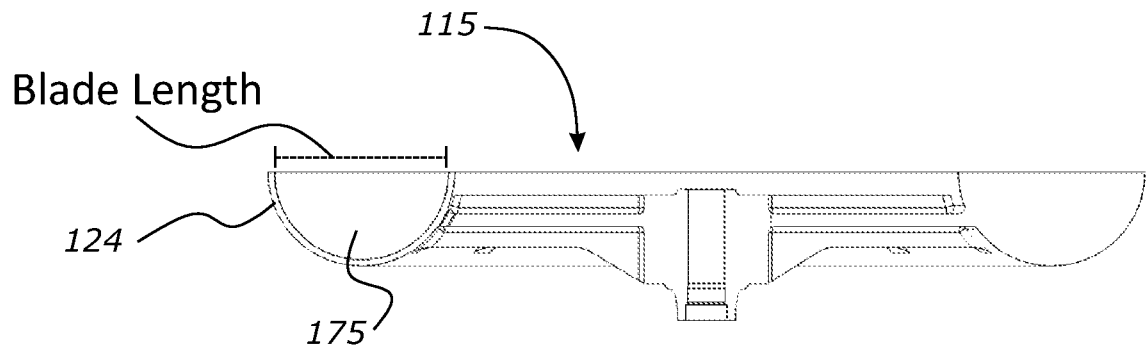
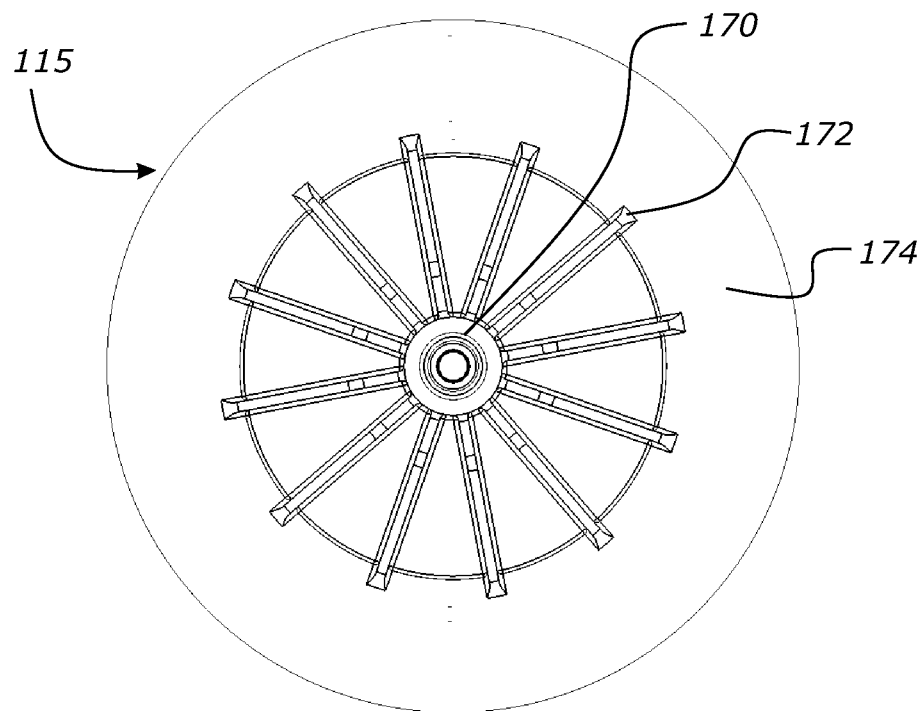


FIGURE 14

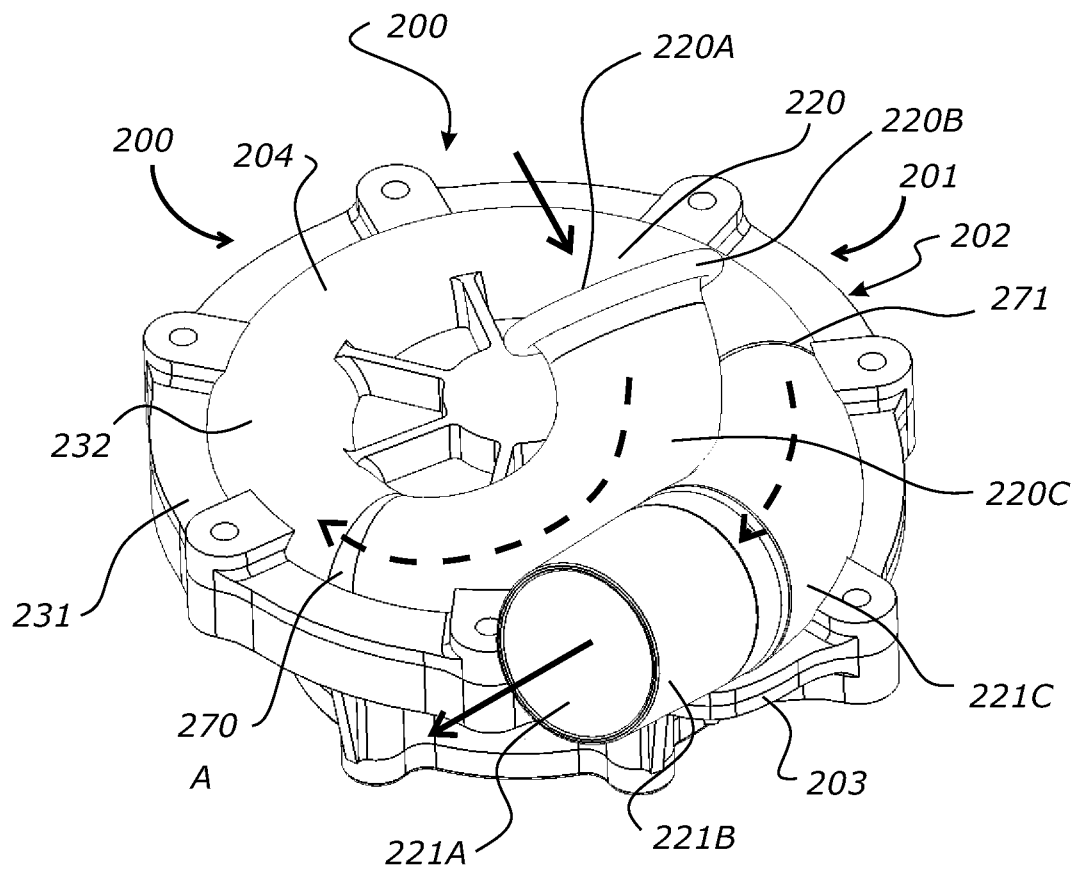
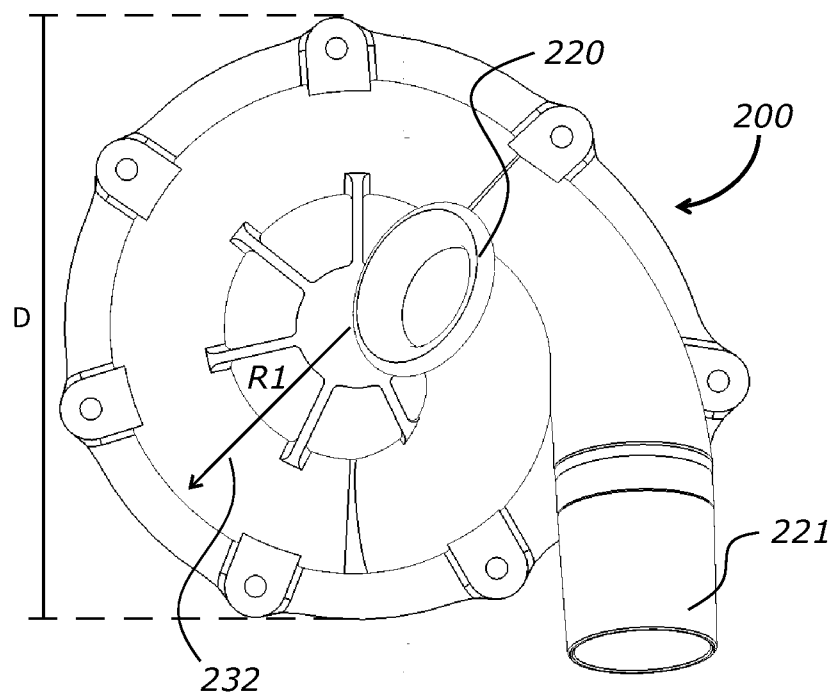
11 / 60

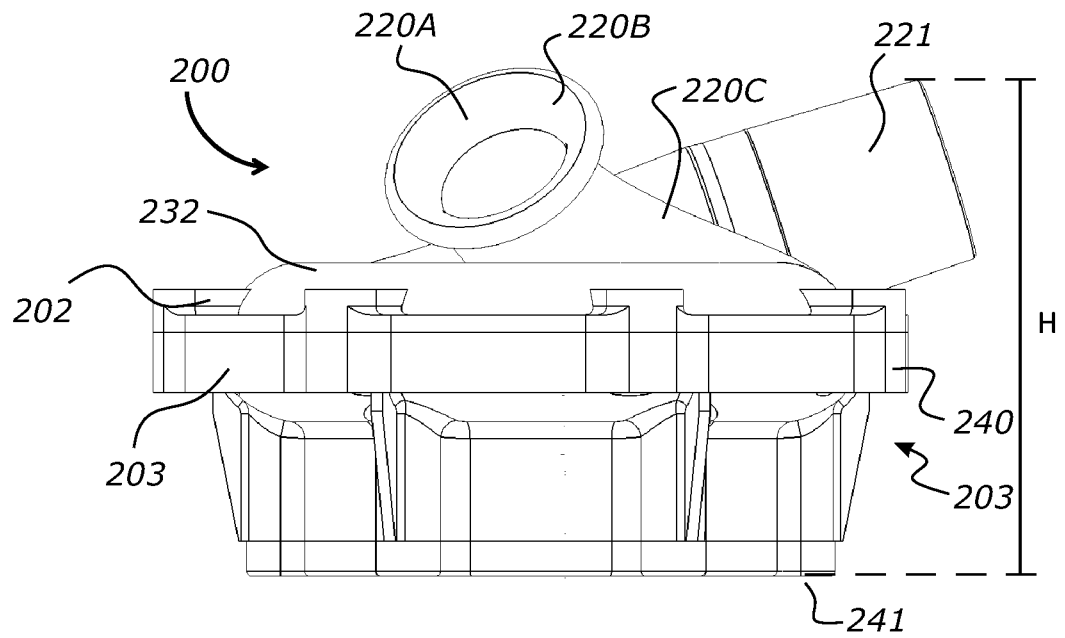
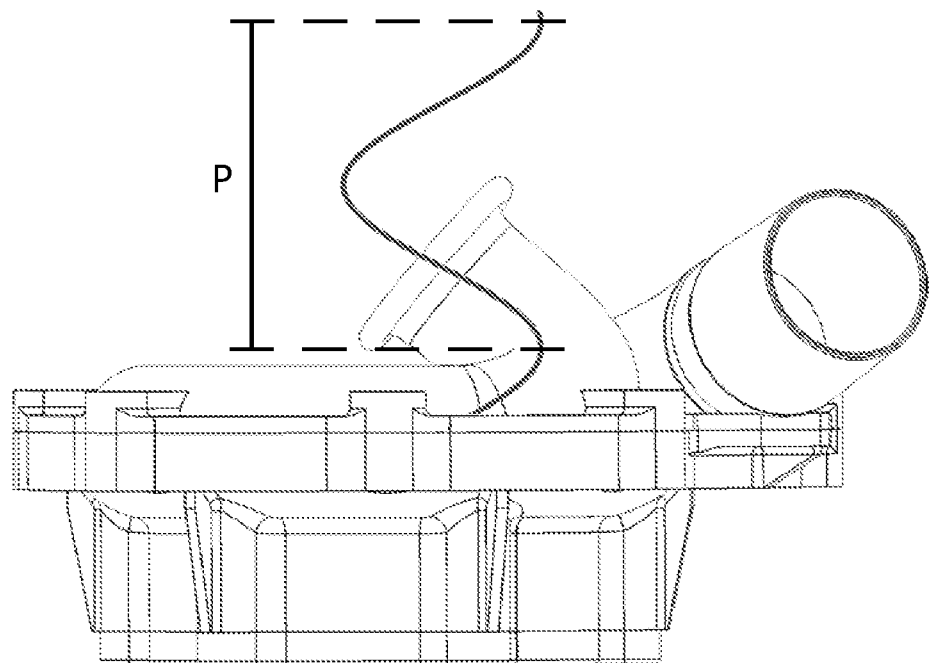
FIGURE 15**FIGURE 16**

12 / 60

**FIGURE 17****FIGURE 18**

13 / 60

**FIGURE 19****FIGURE 20**

**FIGURE 21****FIGURE 22**

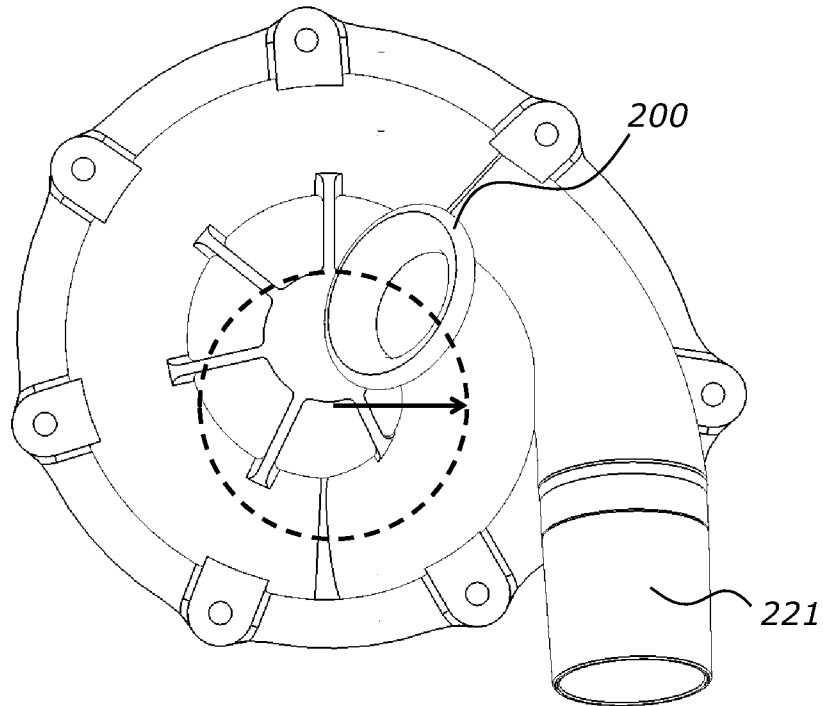


FIGURE 23

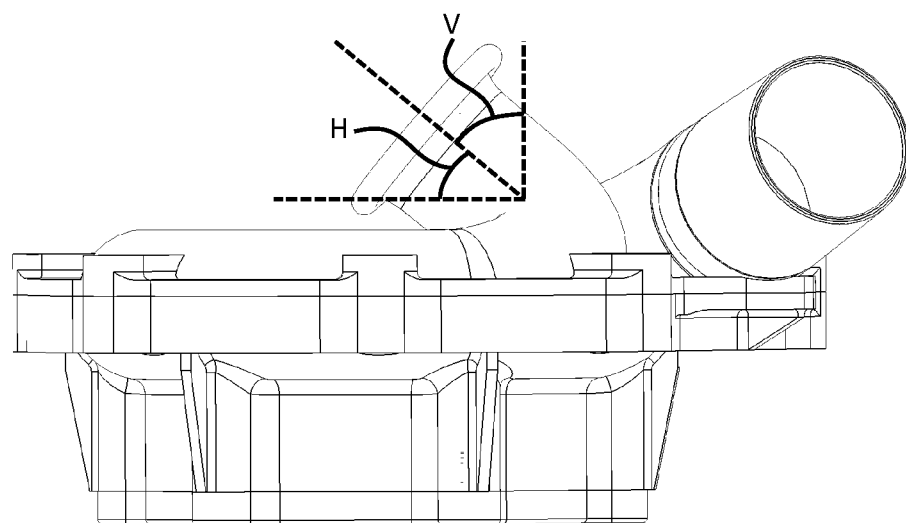
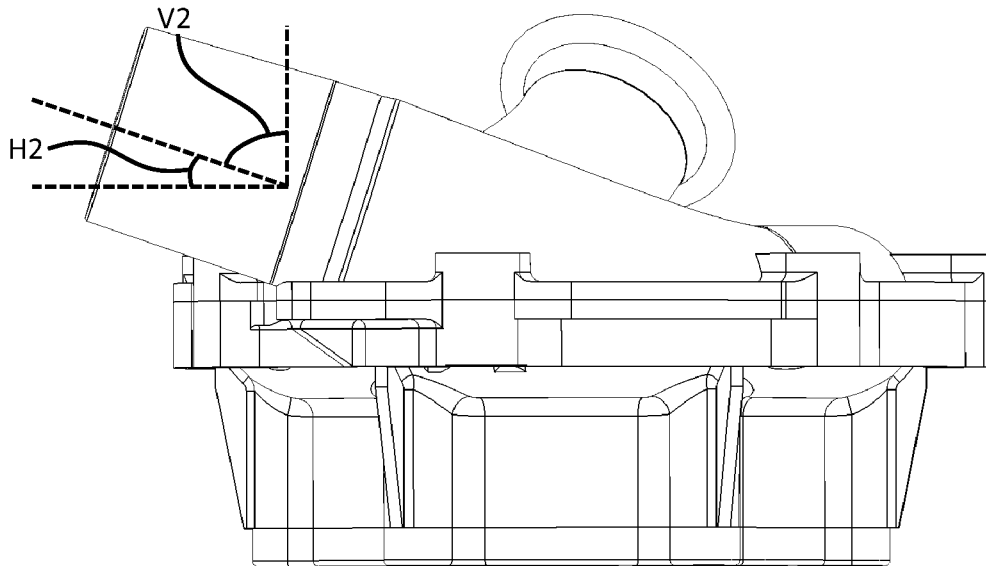
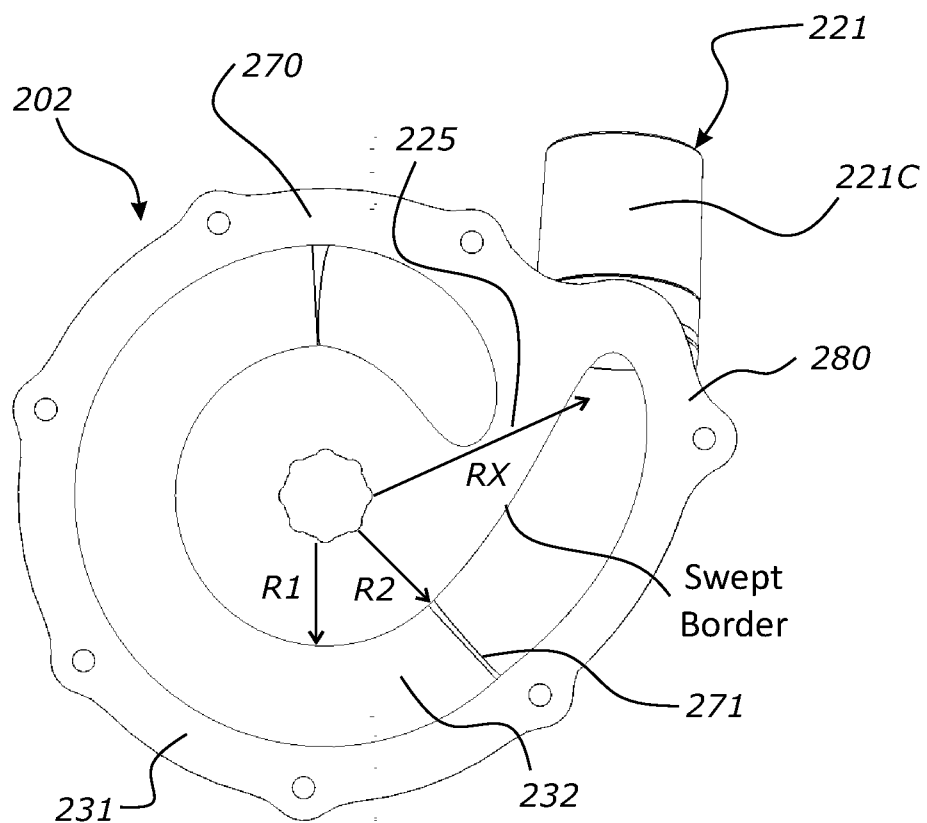
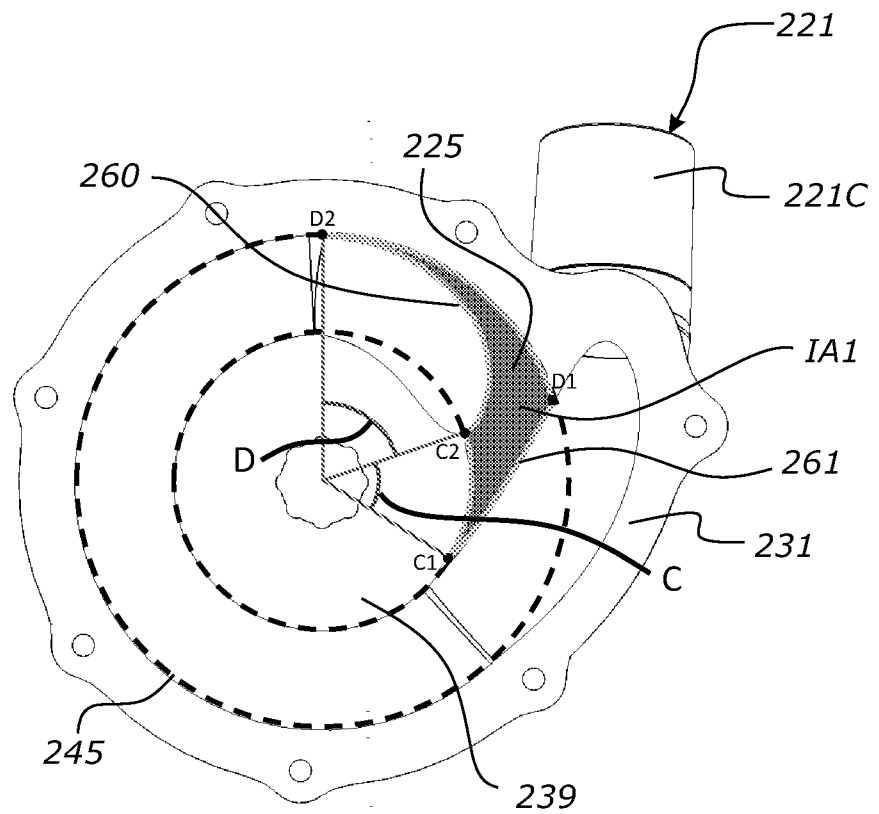
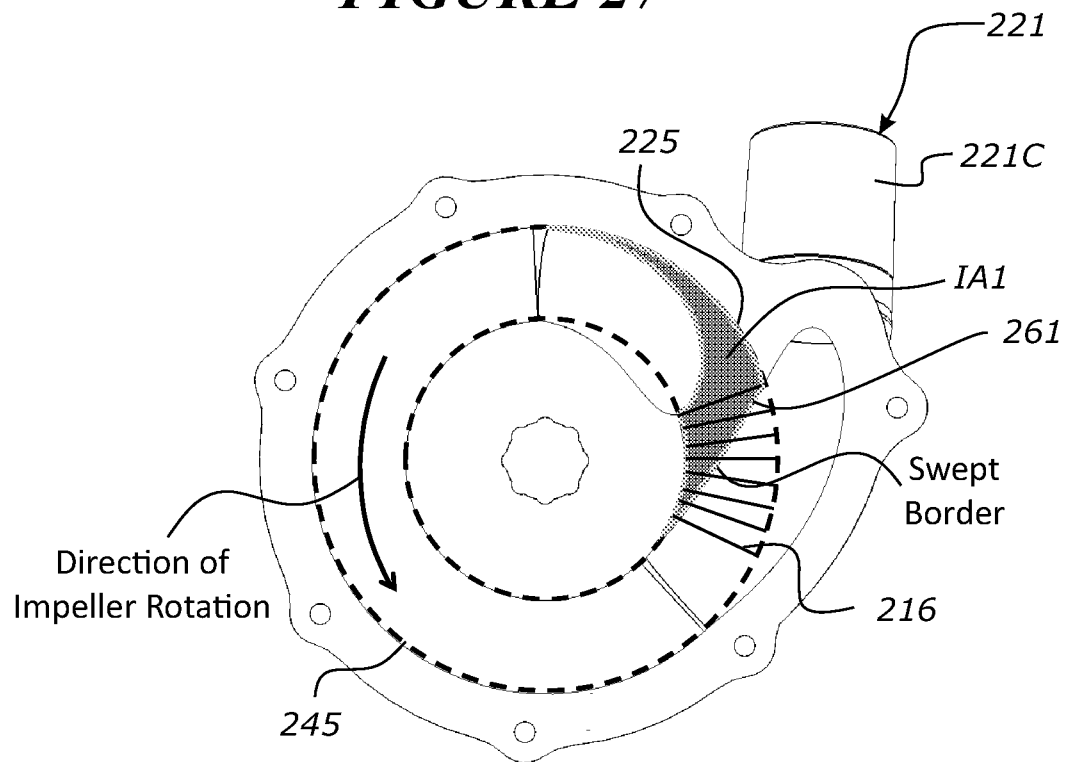
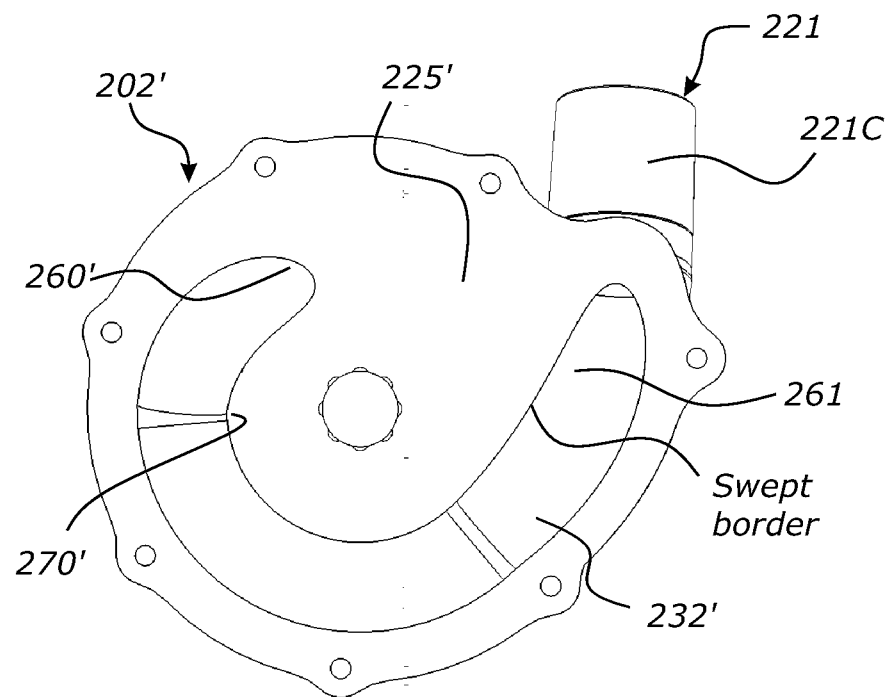
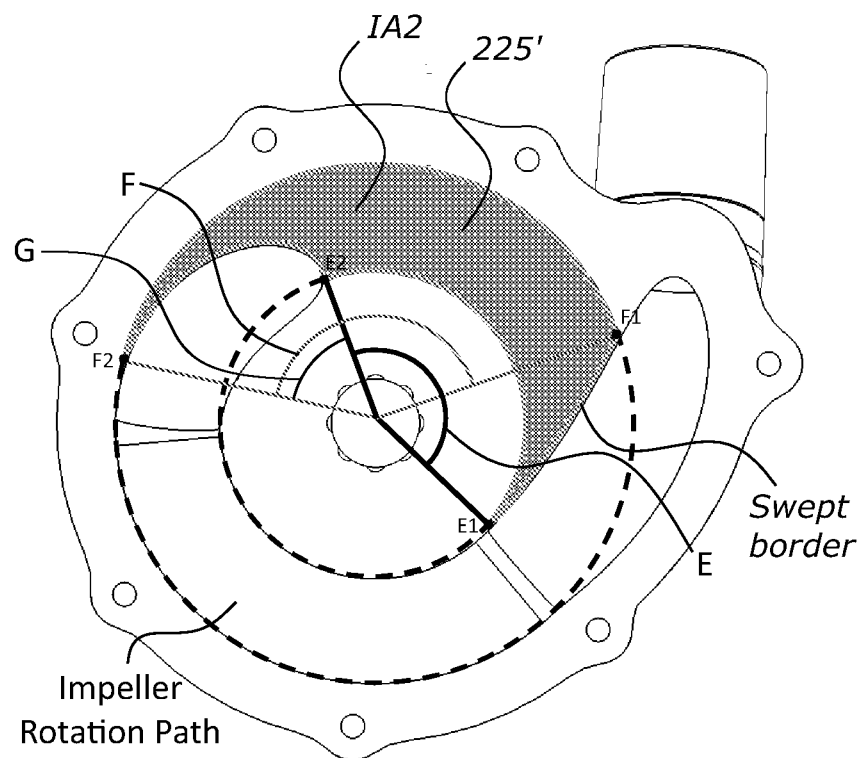


FIGURE 24

**FIGURE 25****FIGURE 26**

17 / 60

**FIGURE 27****FIGURE 28**

**FIGURE 29****FIGURE 30**

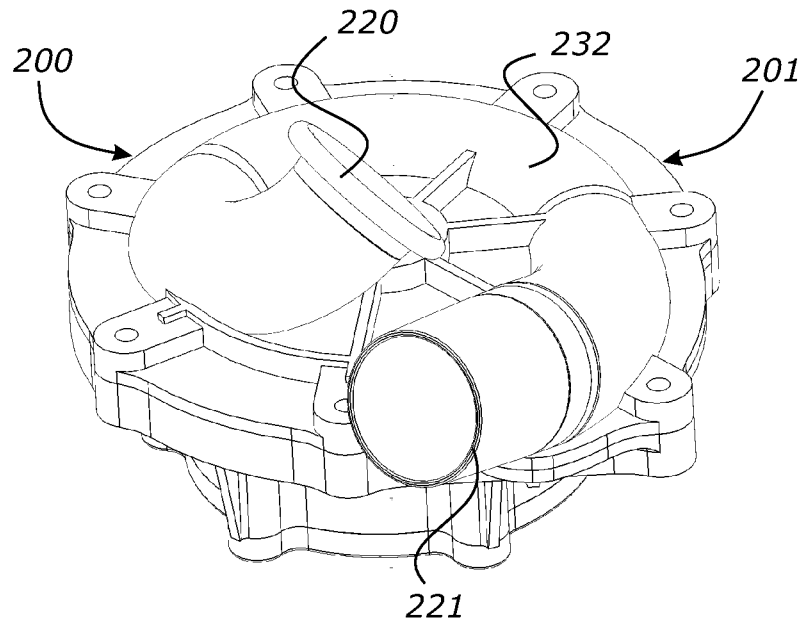


FIGURE 31

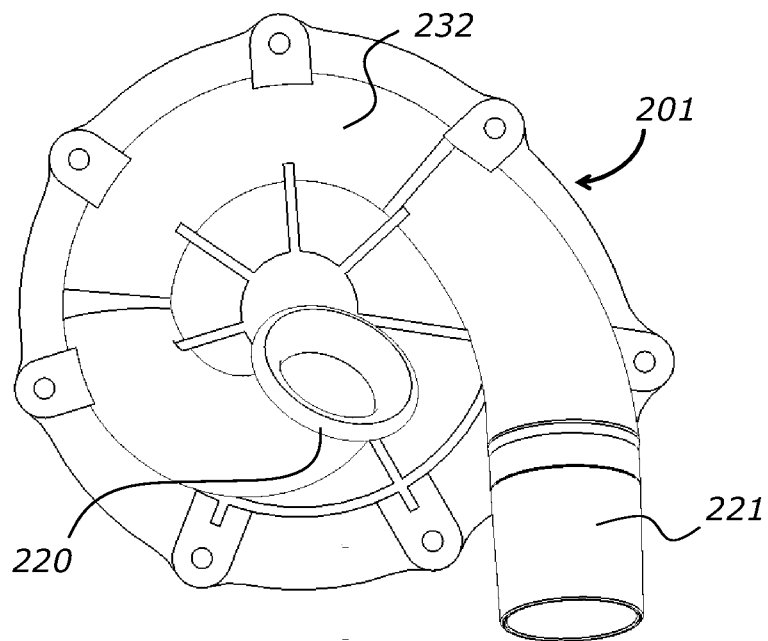
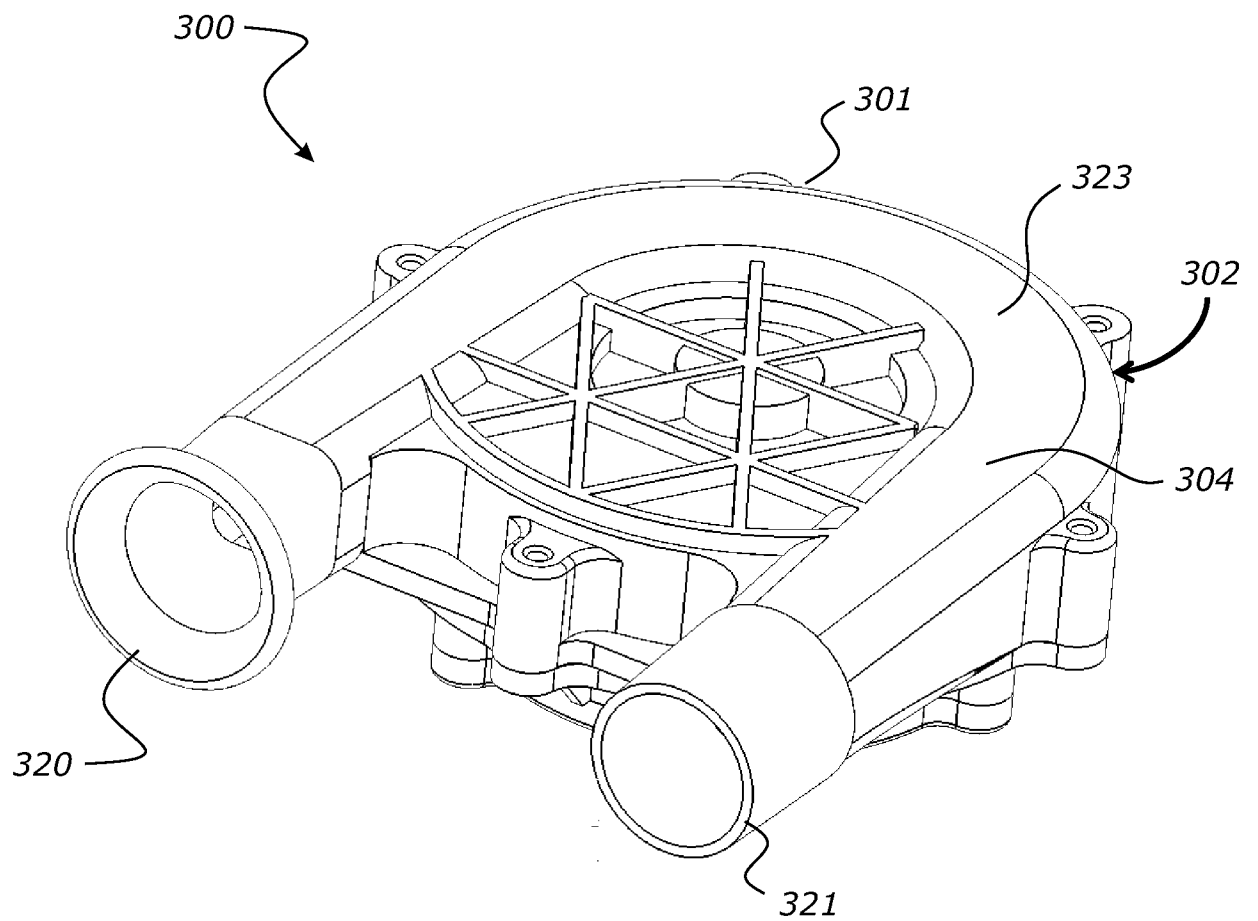


FIGURE 32

**FIGURE 33**

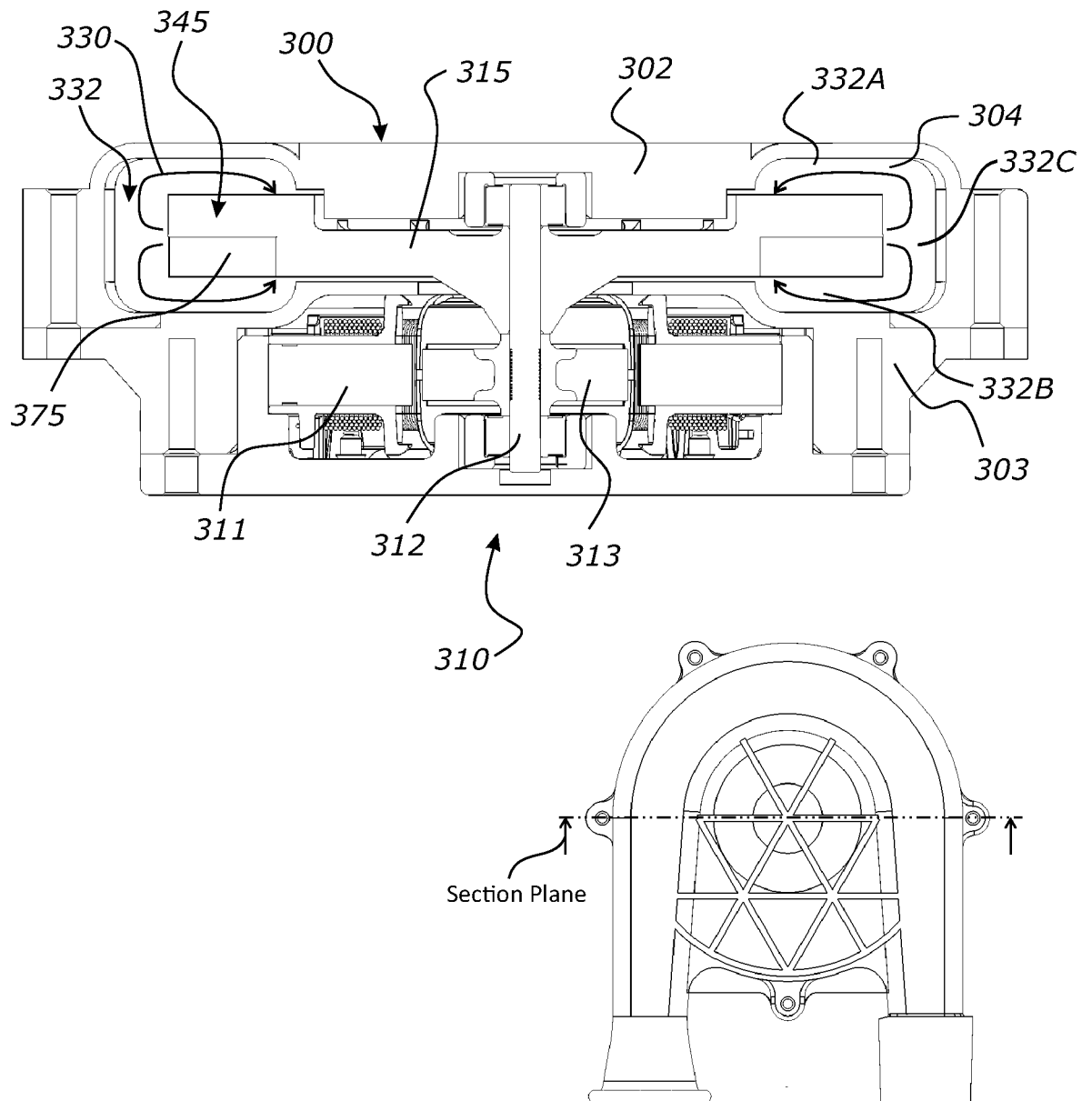
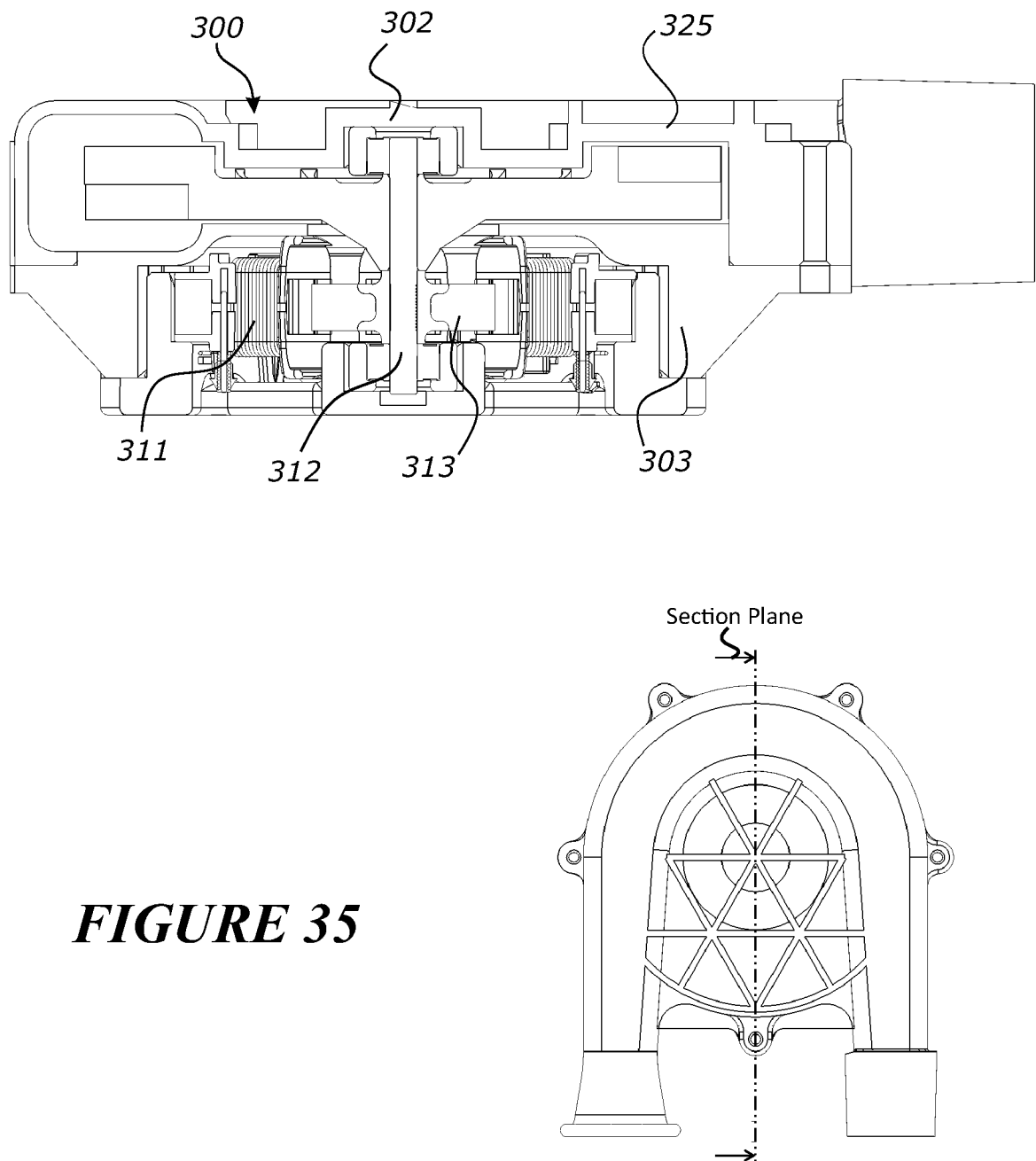


FIGURE 34



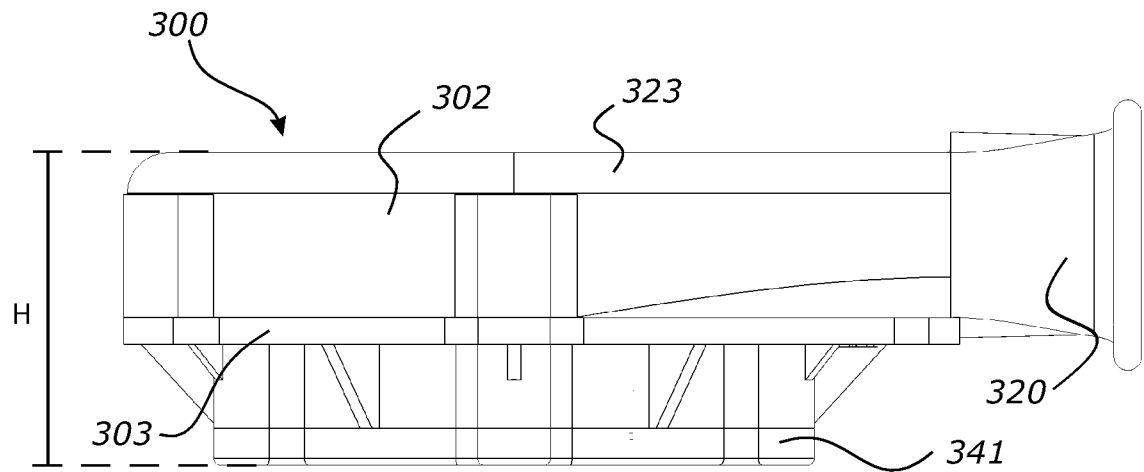


FIGURE 36

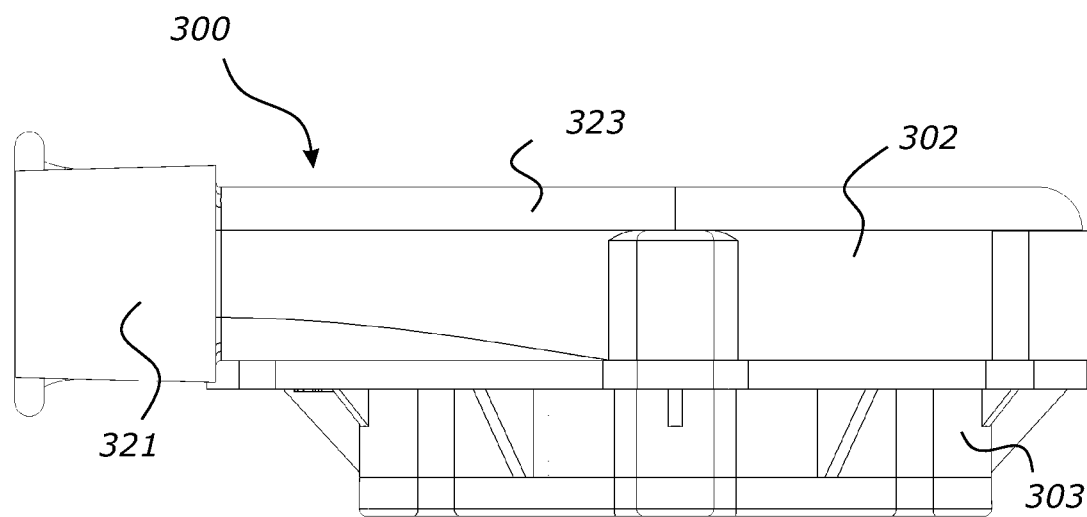
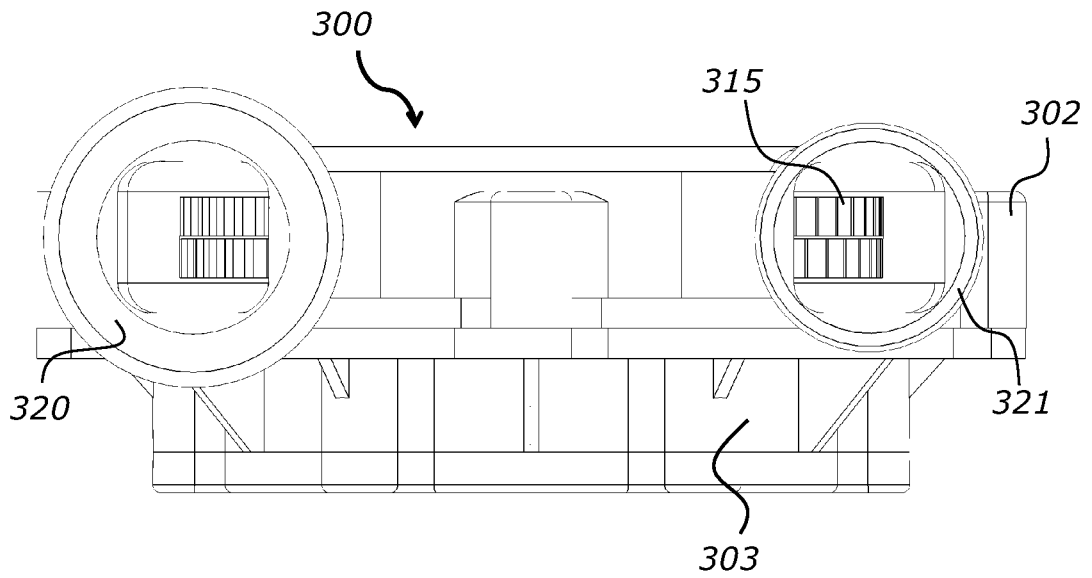
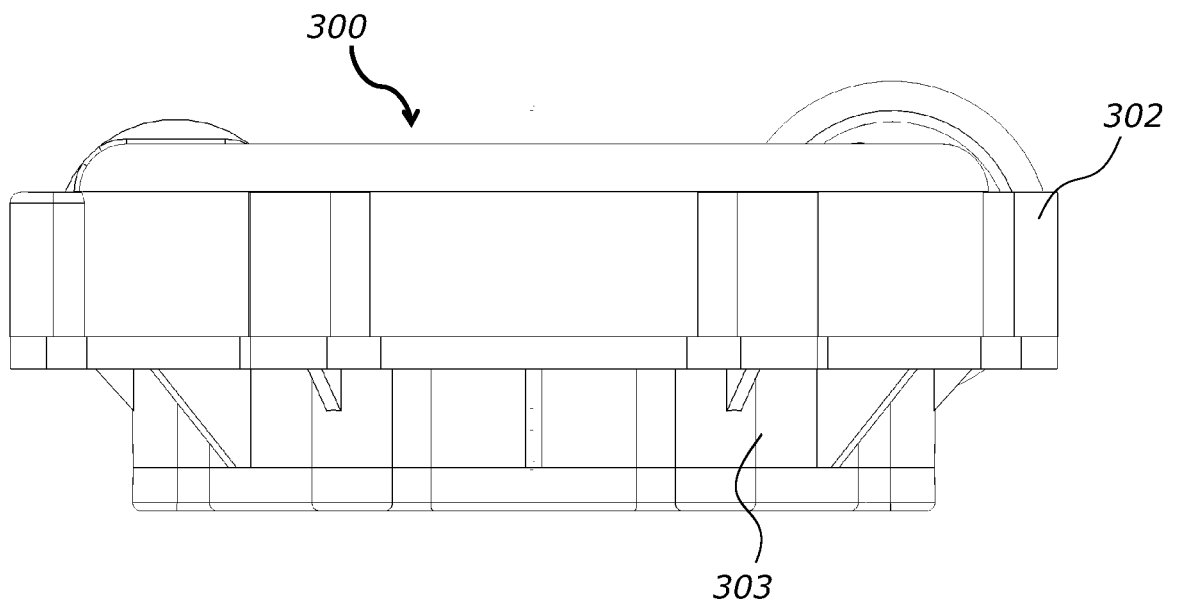


FIGURE 37

**FIGURE 38****FIGURE 39**

25 / 60

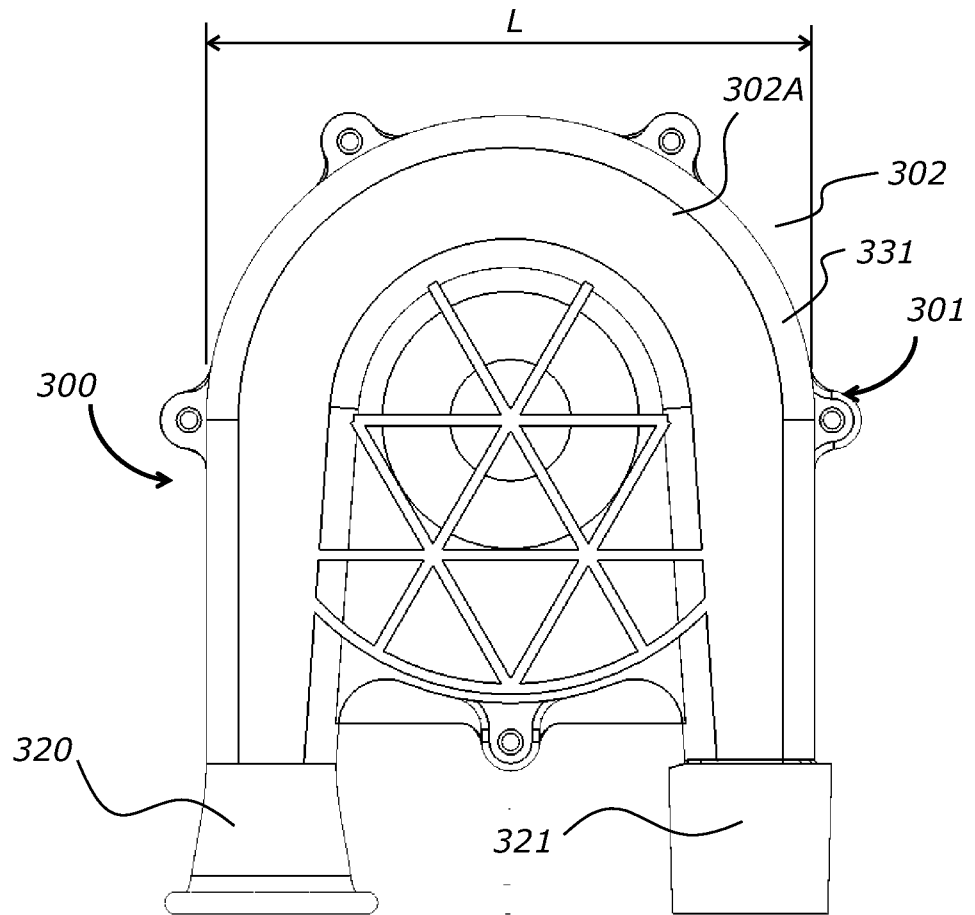


FIGURE 40

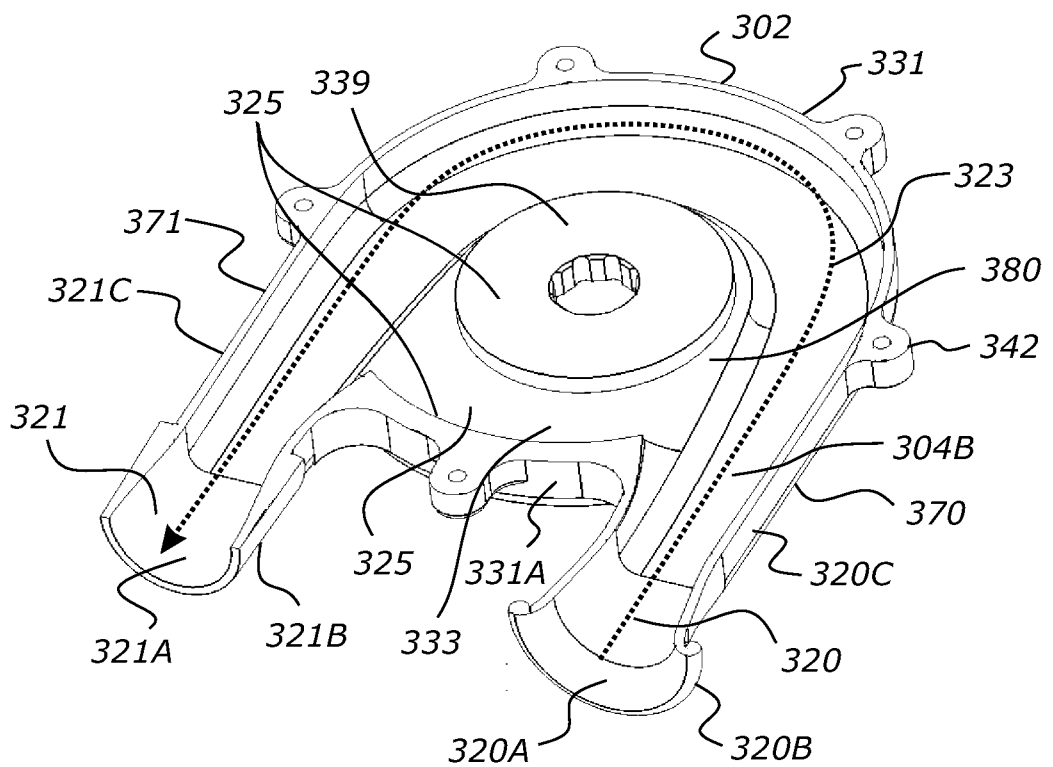
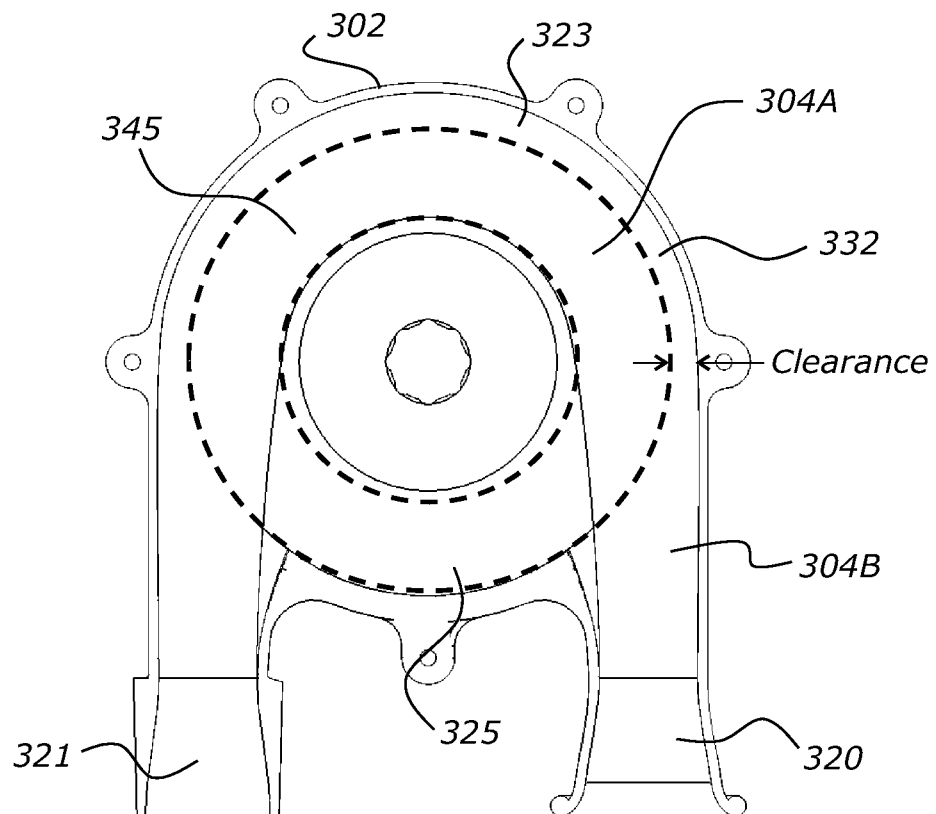
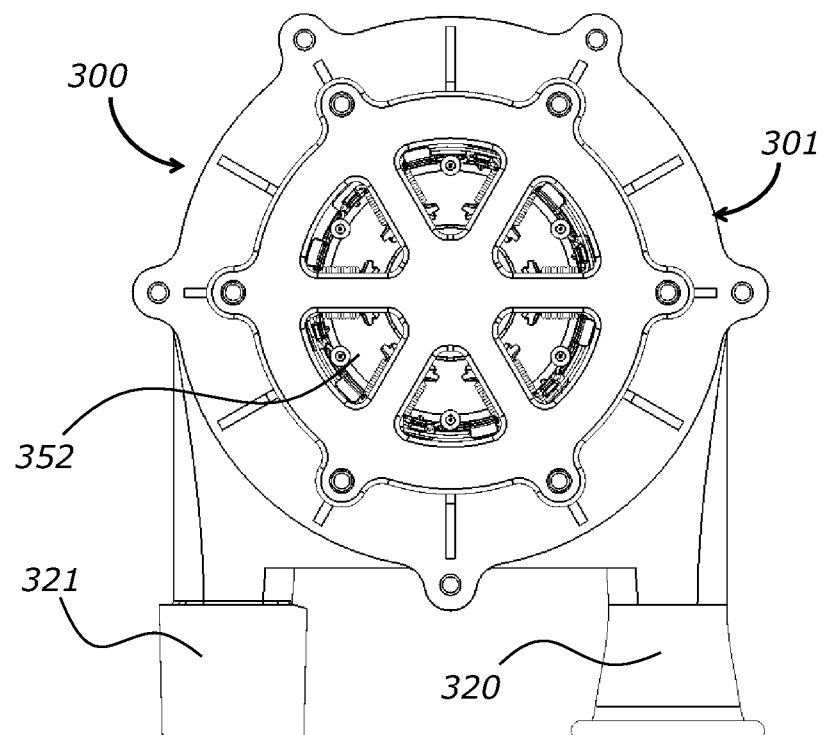


FIGURE 41

26 / 60

**FIGURE 42****FIGURE 43**

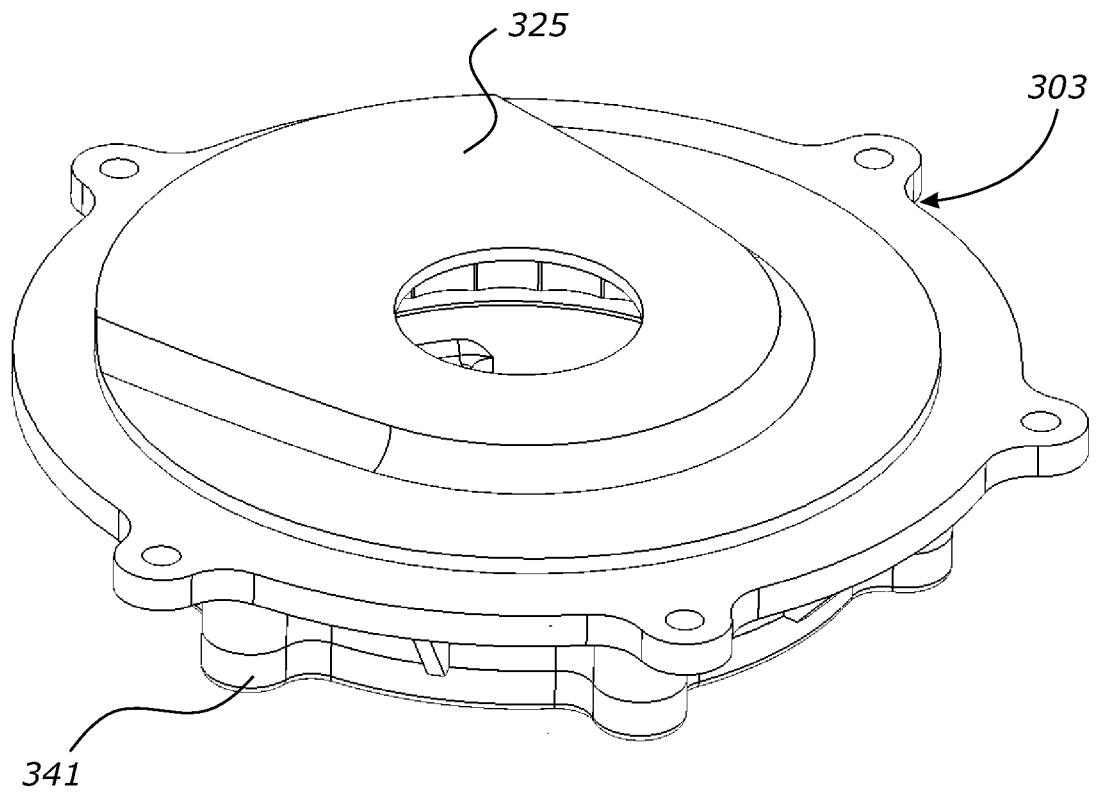


FIGURE 44

FIGURE 45

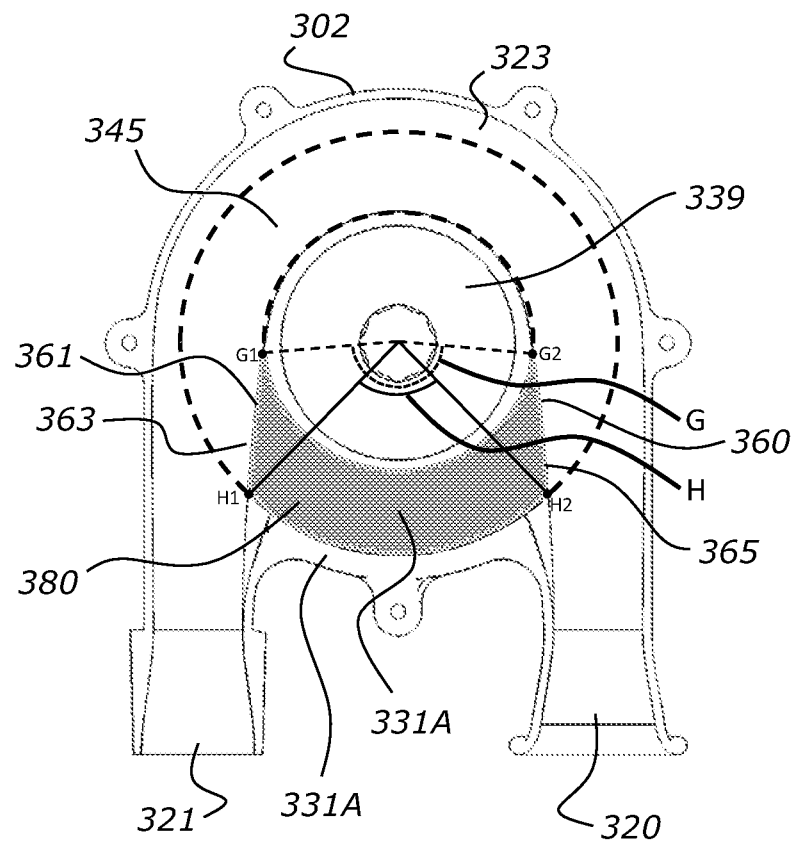
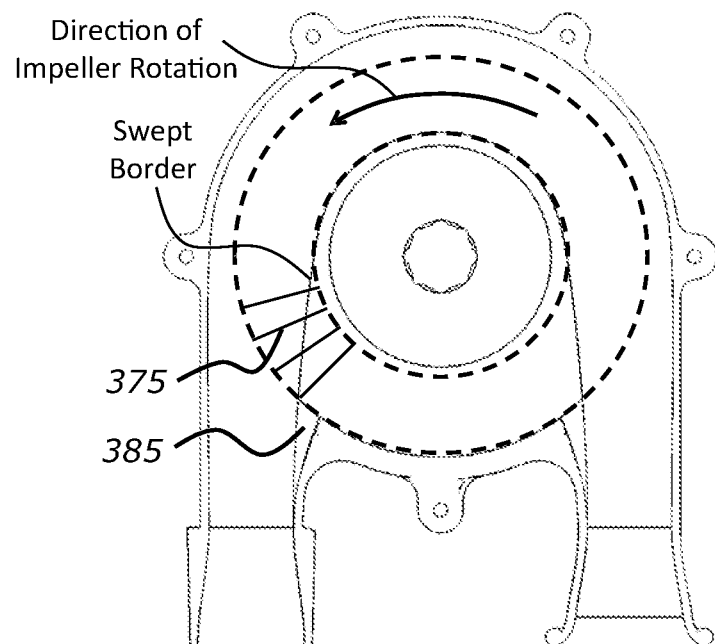
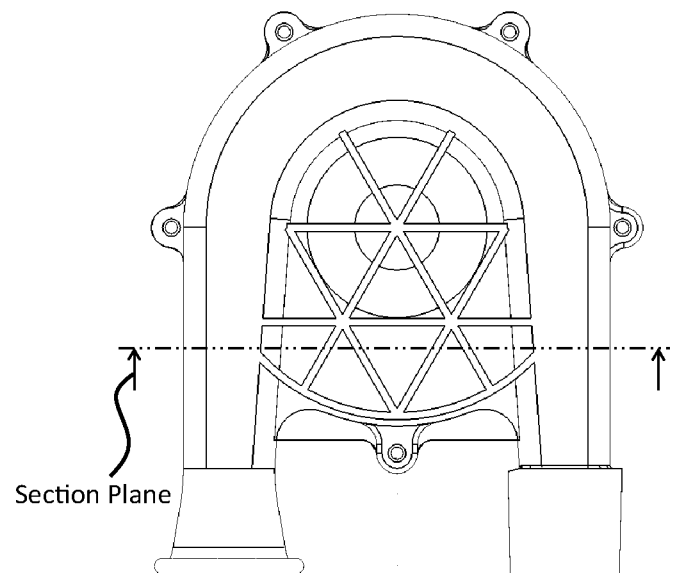
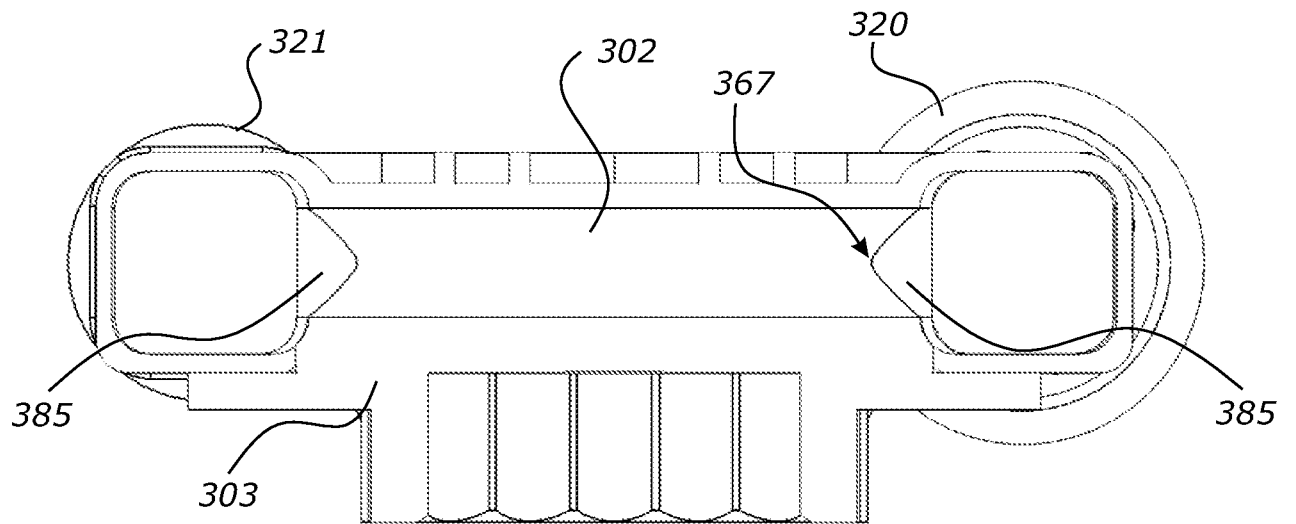


FIGURE 46



29 / 60

**FIGURE 47**

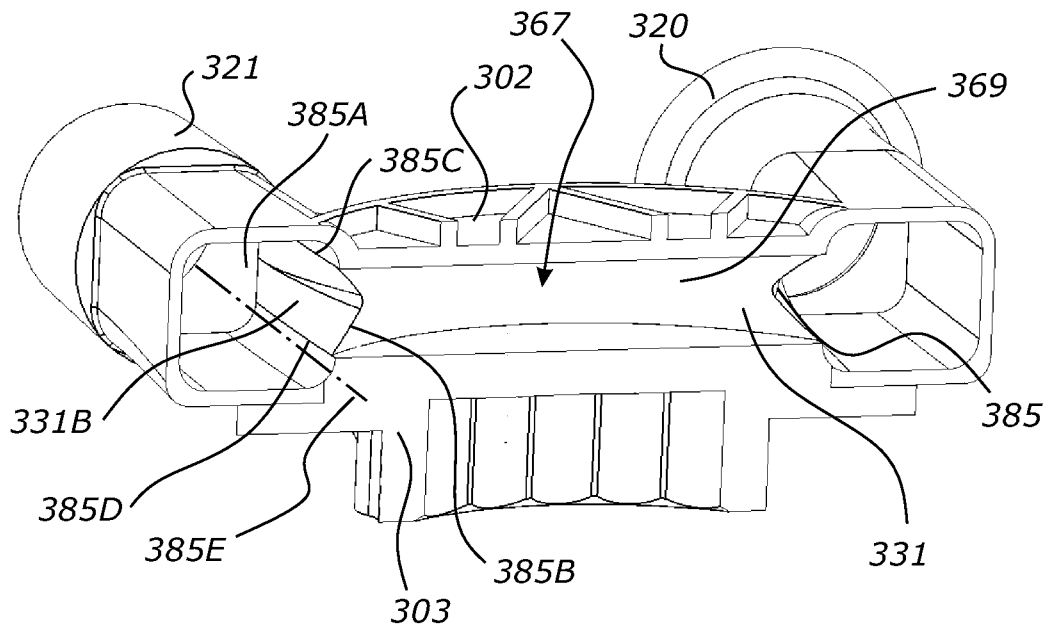


FIGURE 48

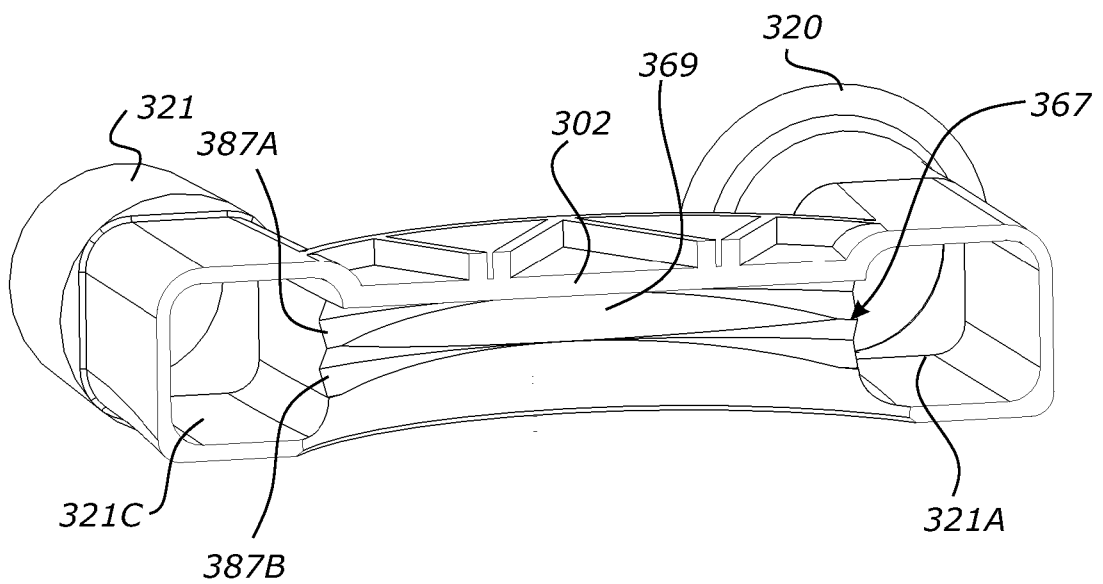


FIGURE 49

31 / 60

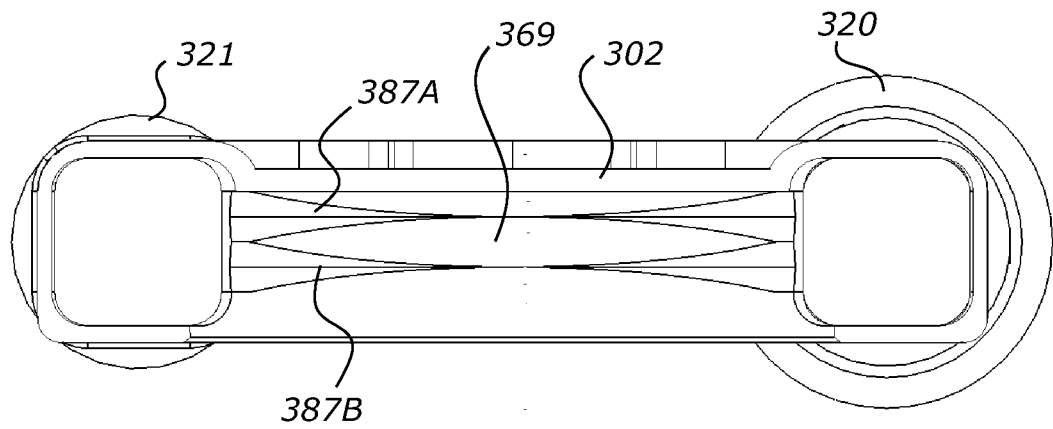


FIGURE 50

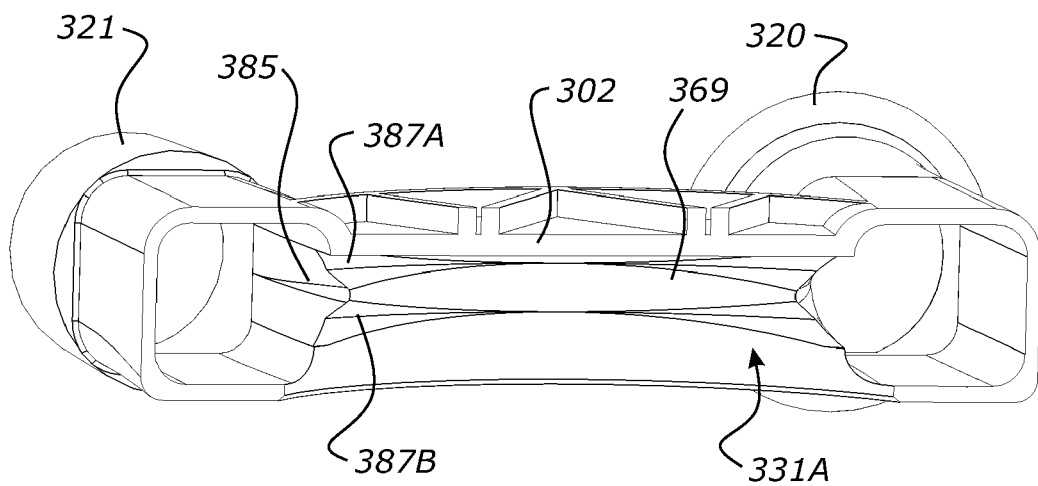


FIGURE 51

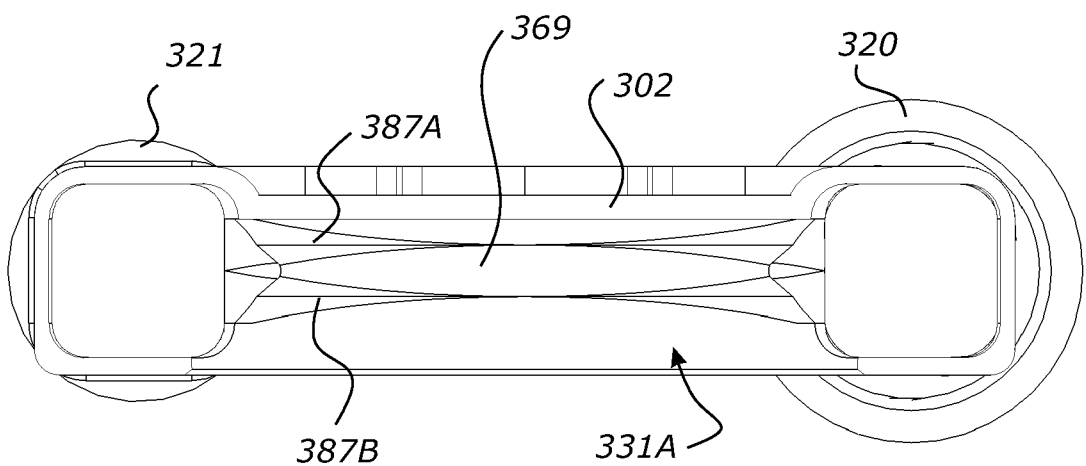


FIGURE 52

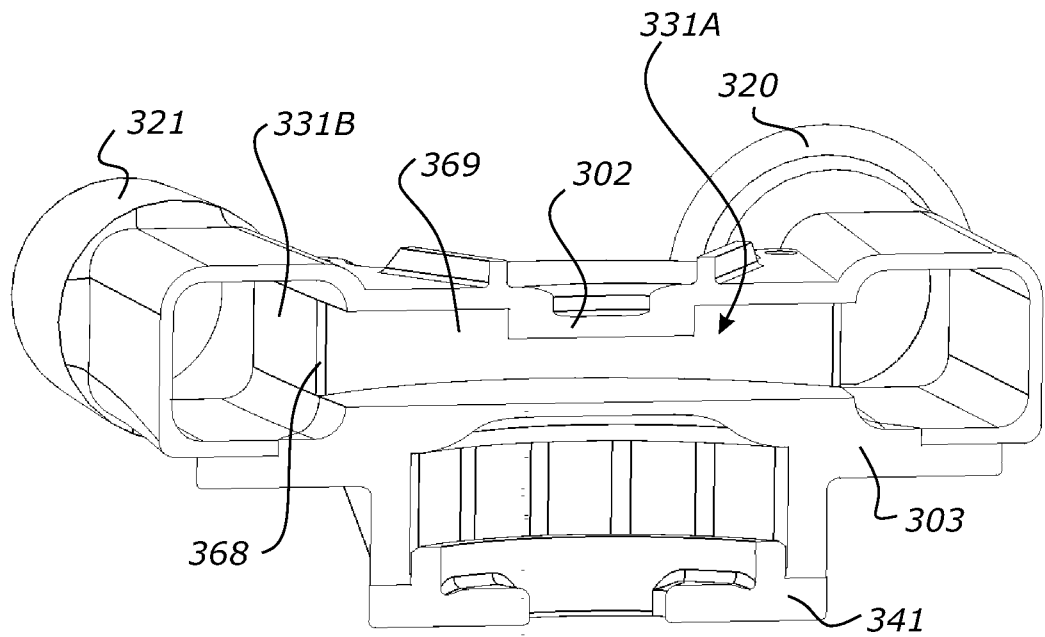


FIGURE 53

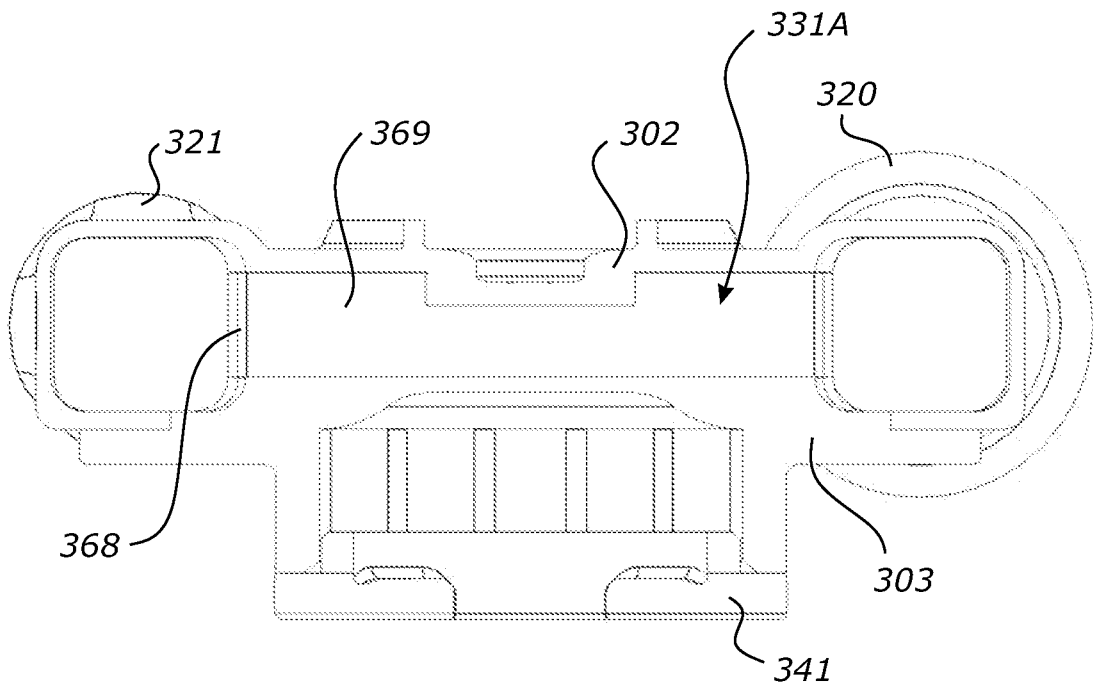
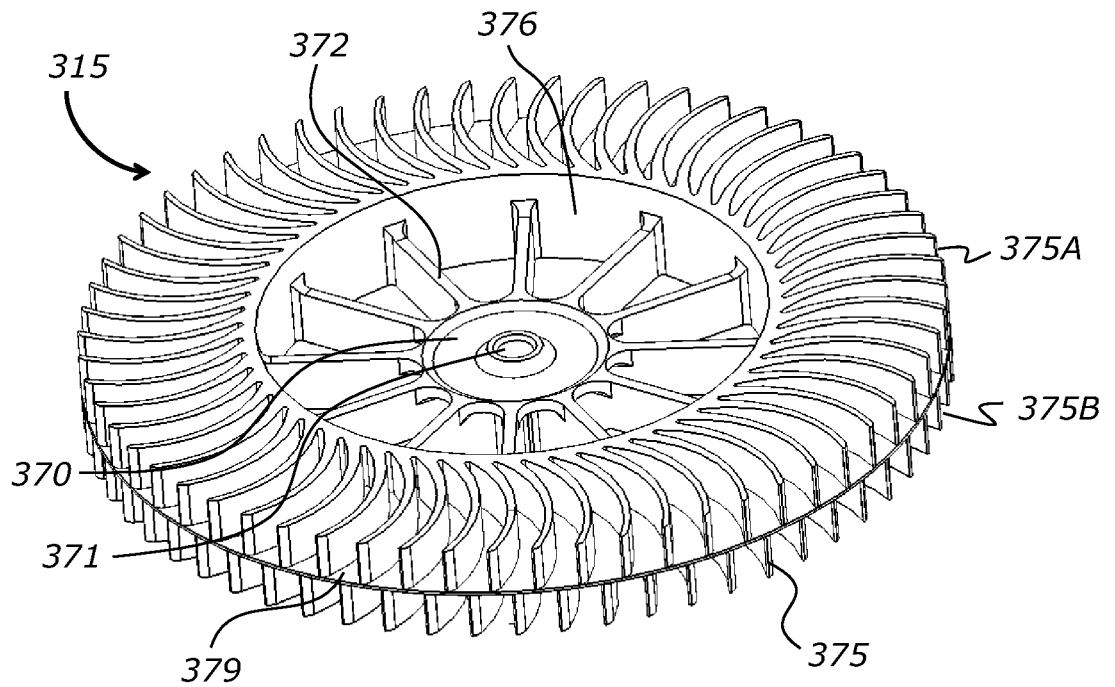
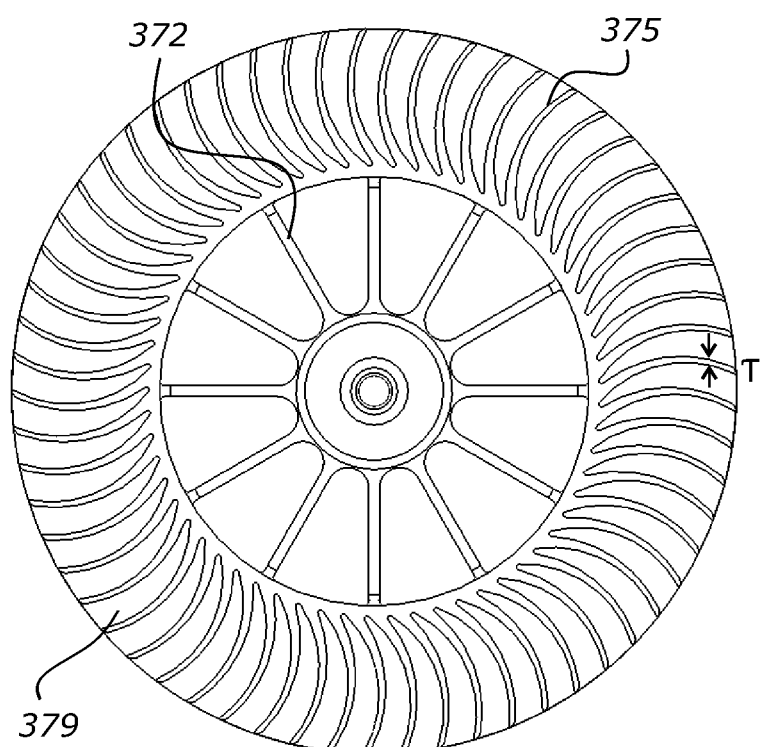
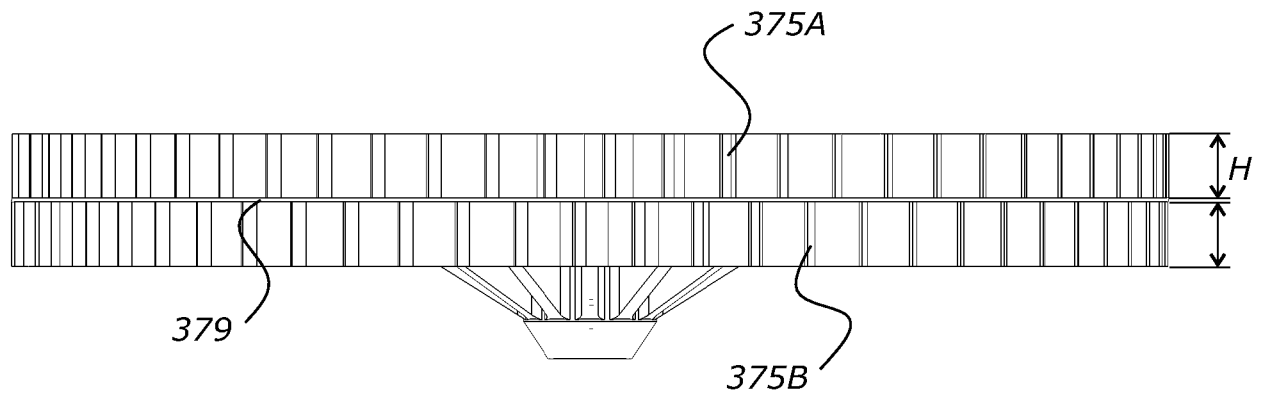
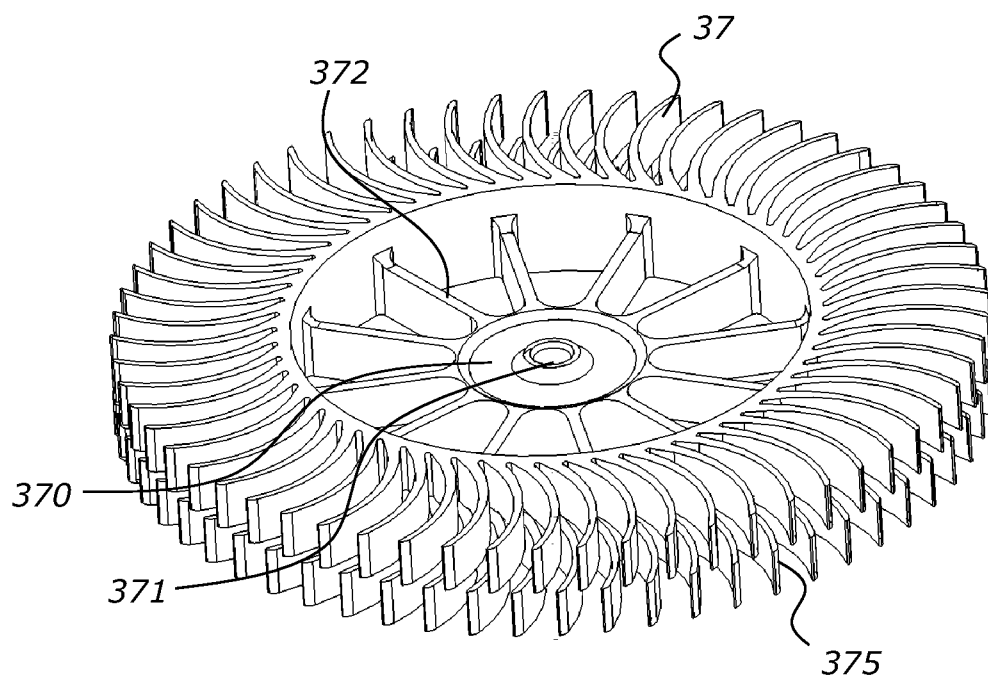


FIGURE 54

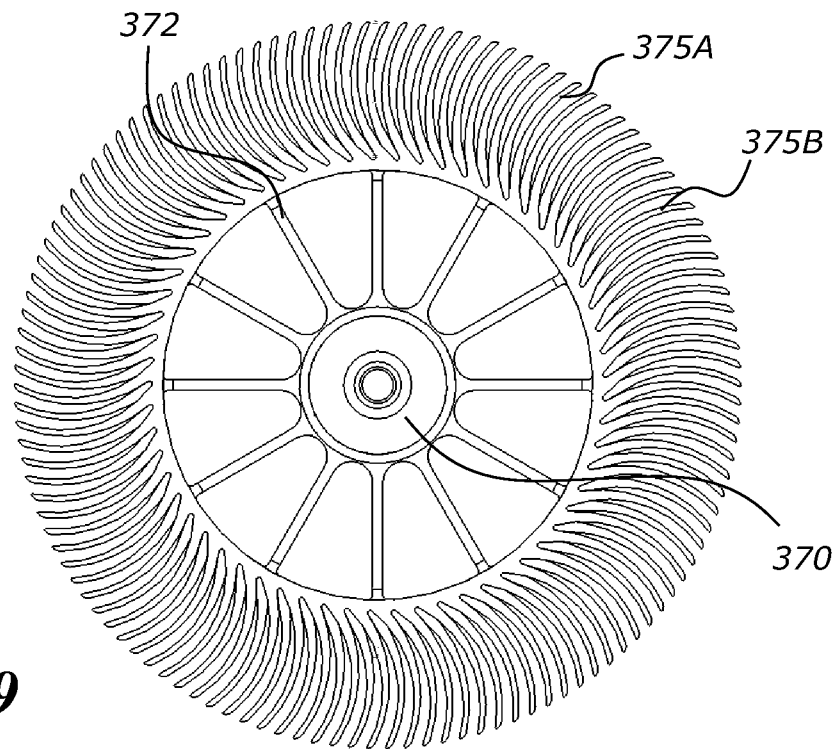
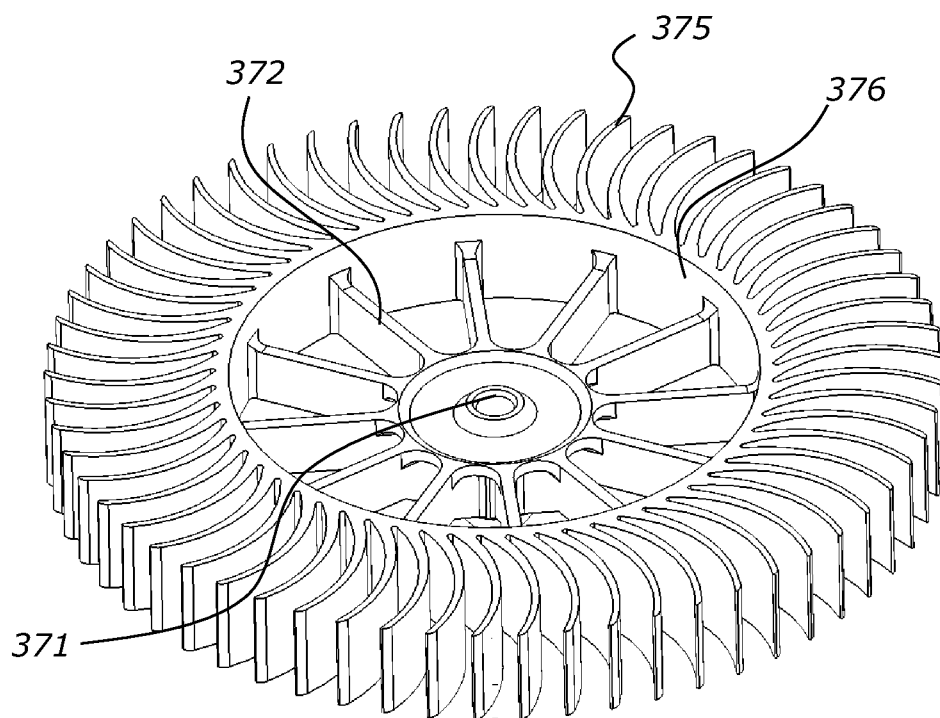
33 / 60

**FIGURE 55****FIGURE 56**

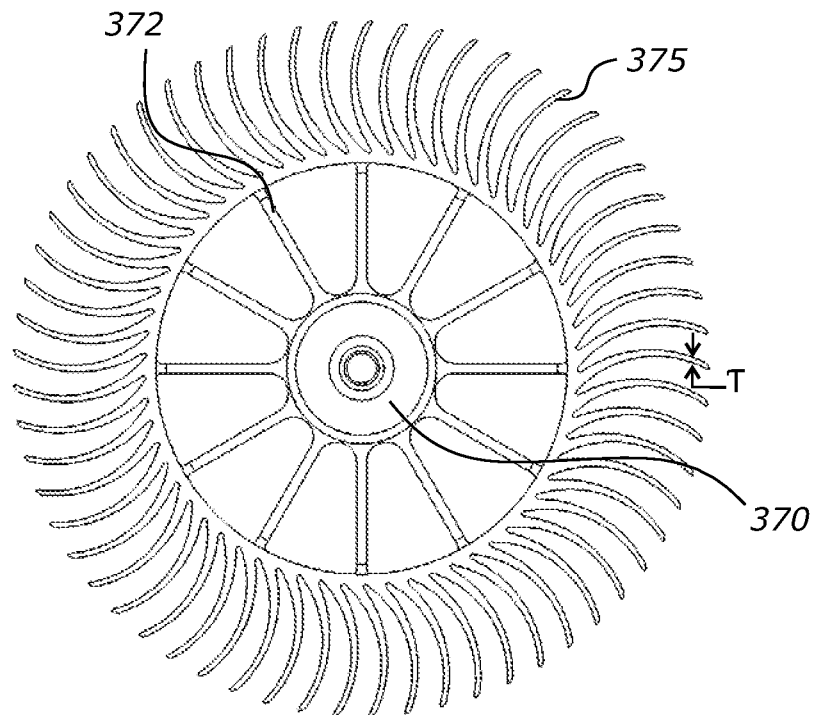
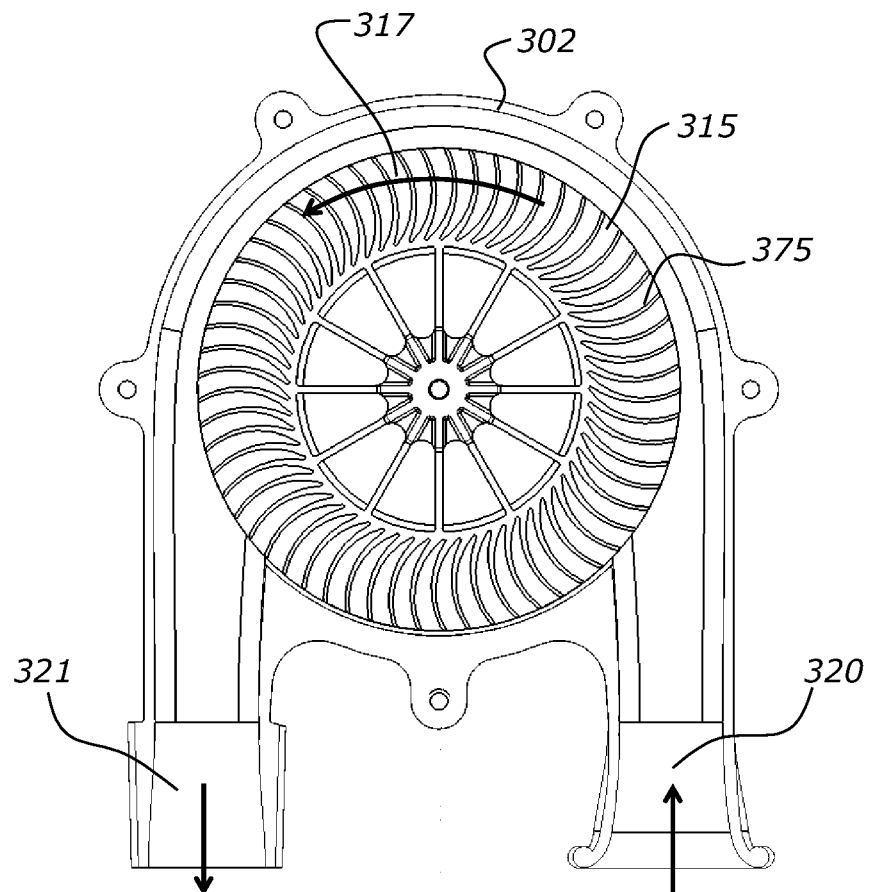
34 / 60

**FIGURE 57****FIGURE 58**

35 / 60

**FIGURE 59****FIGURE 60**

36 / 60

**FIGURE 61****FIGURE 62**

37 / 60

FIGURE 63

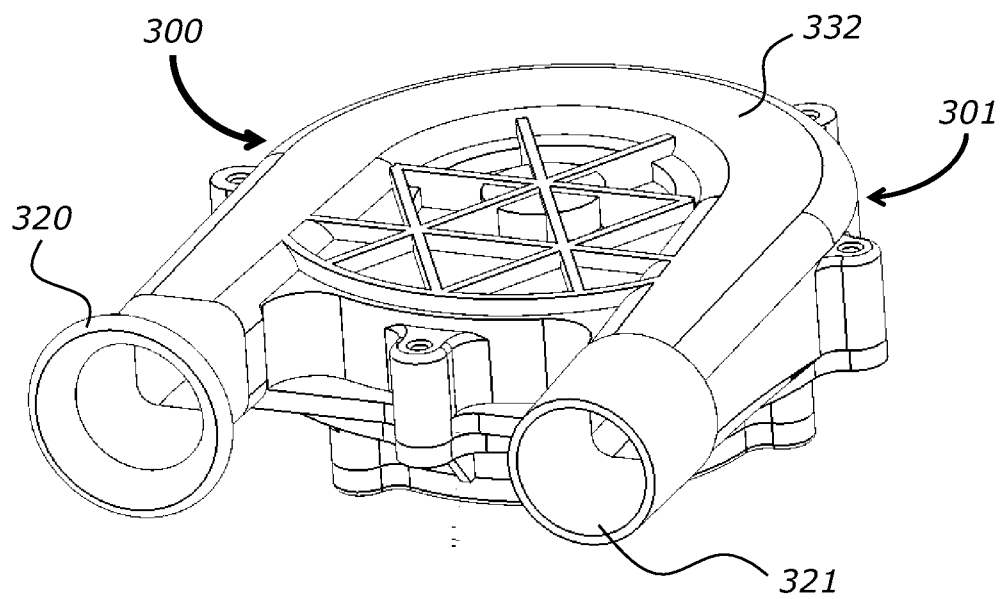
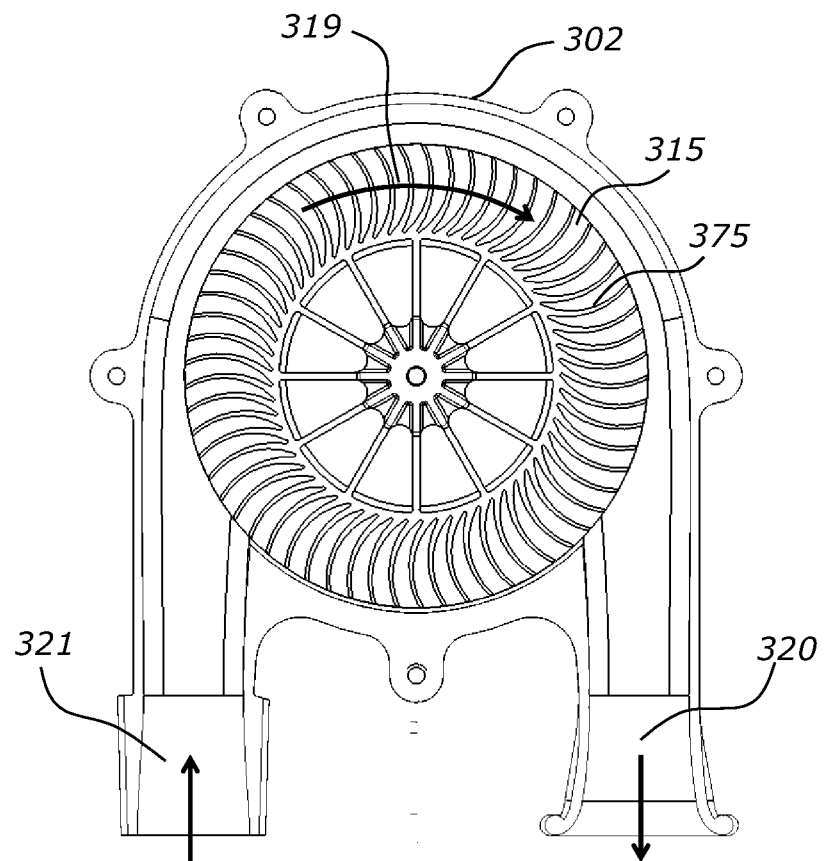


FIGURE 64

FIGURE 65

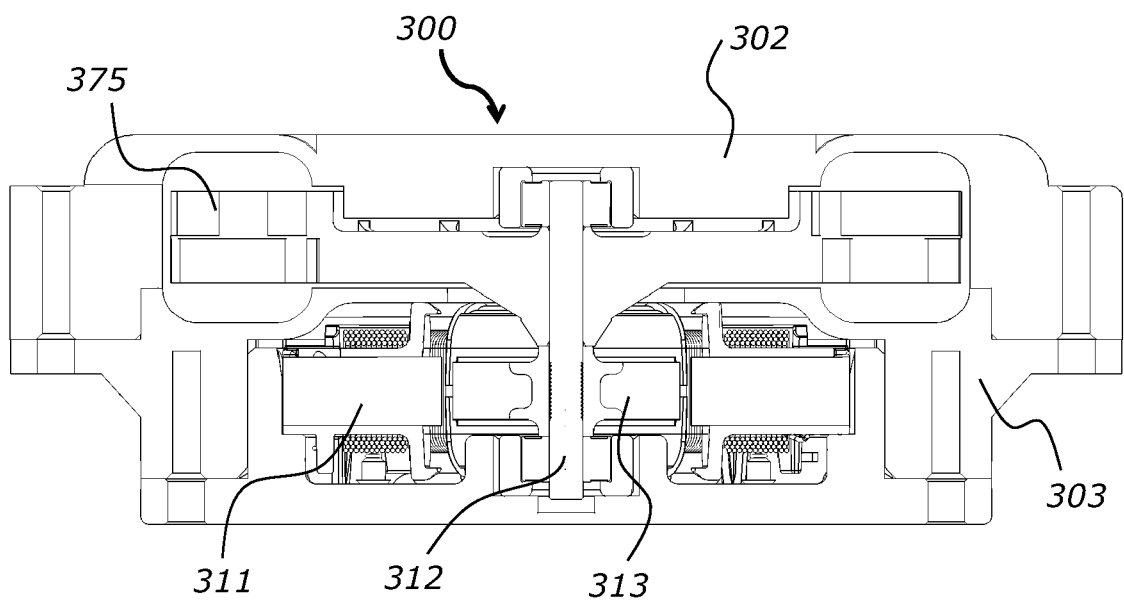
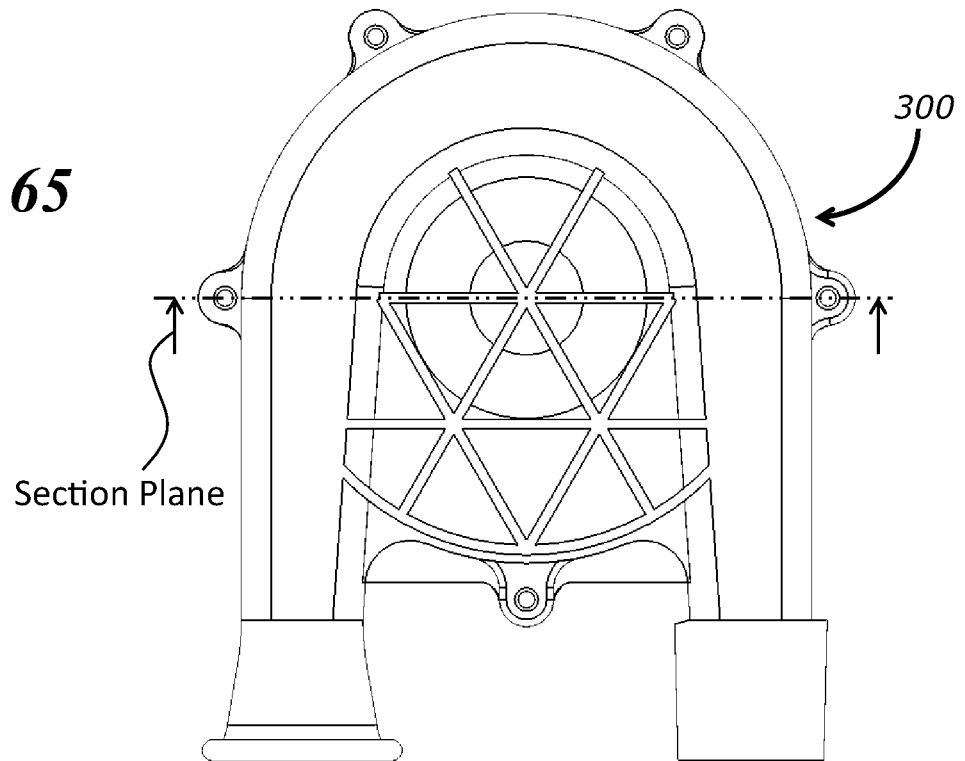


FIGURE 66

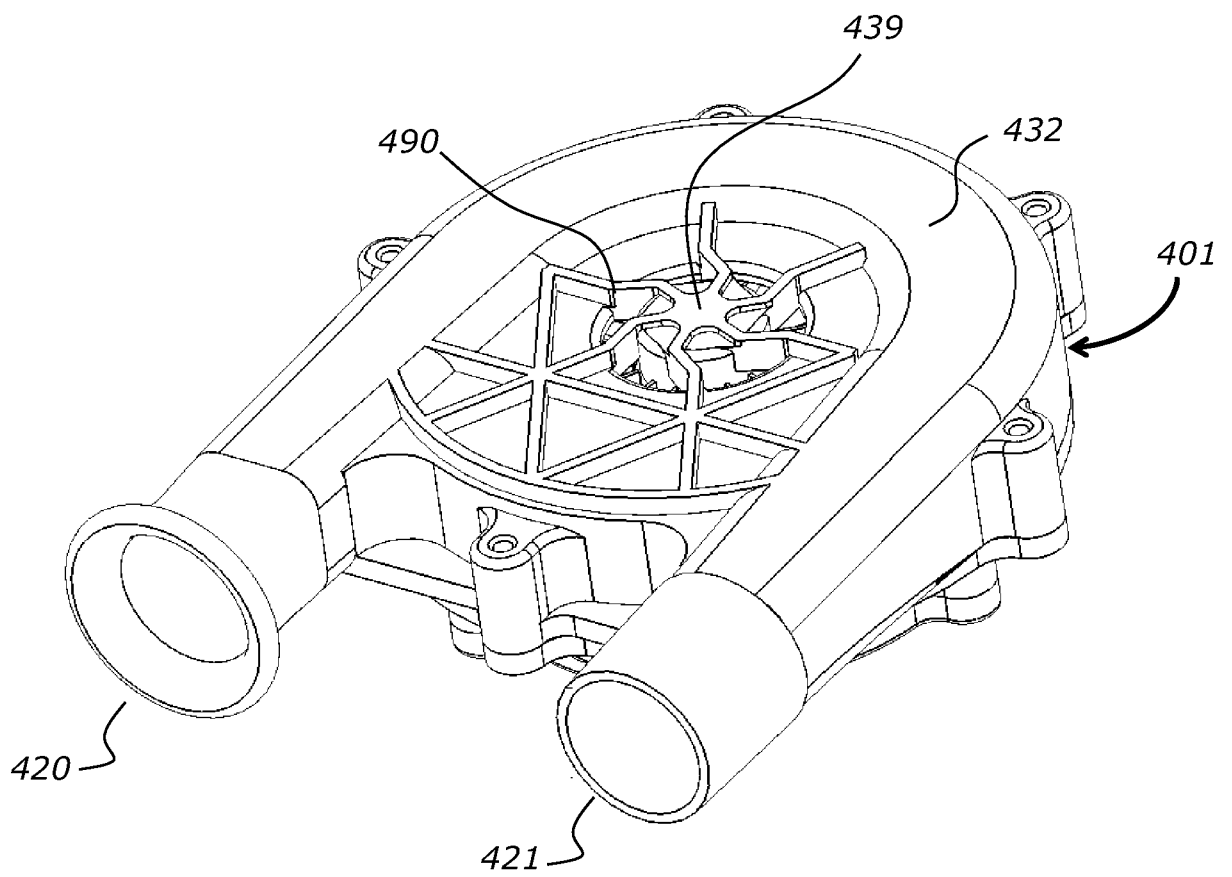


FIGURE 67

40 / 60

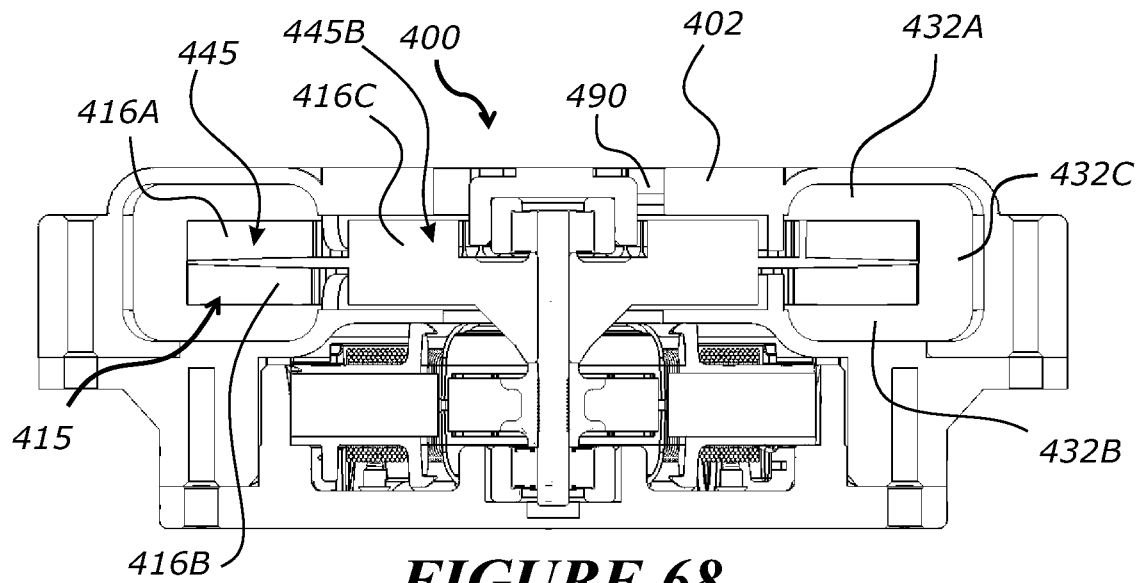


FIGURE 68

FIGURE 69

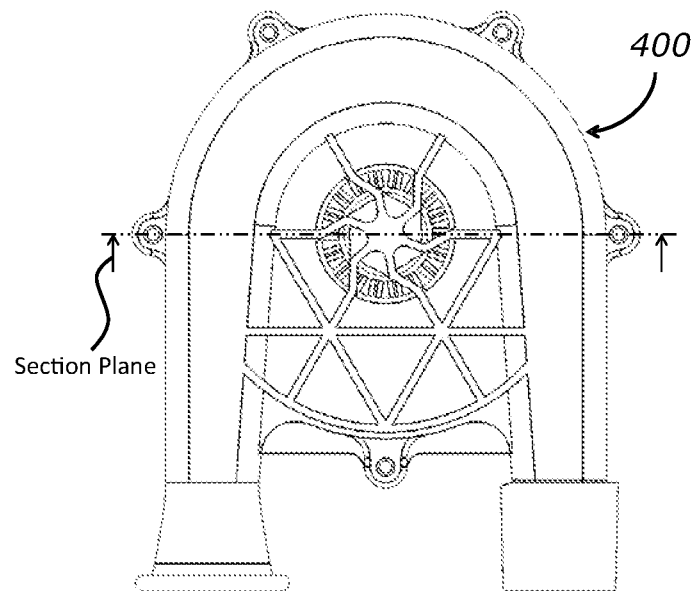


FIGURE 70

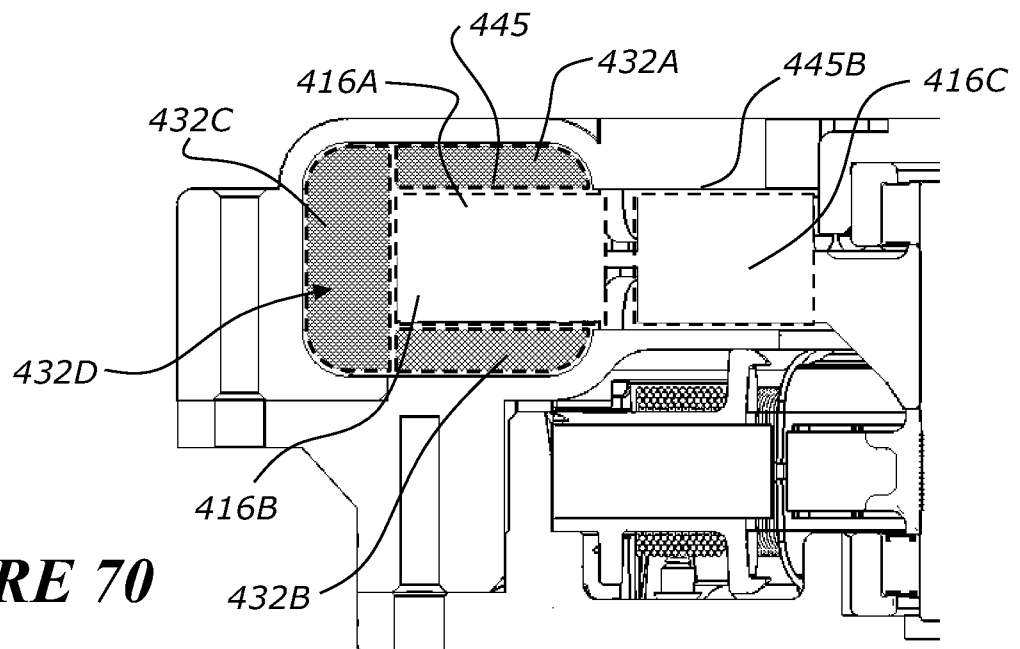


FIGURE 71

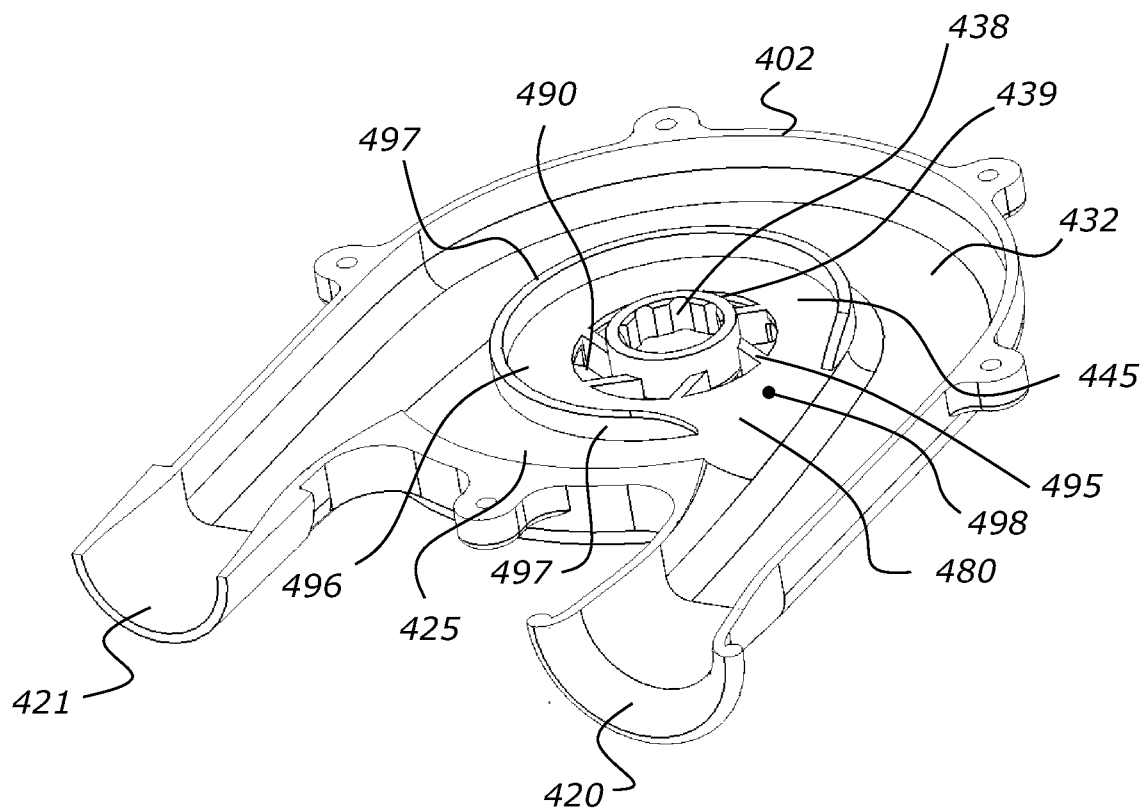
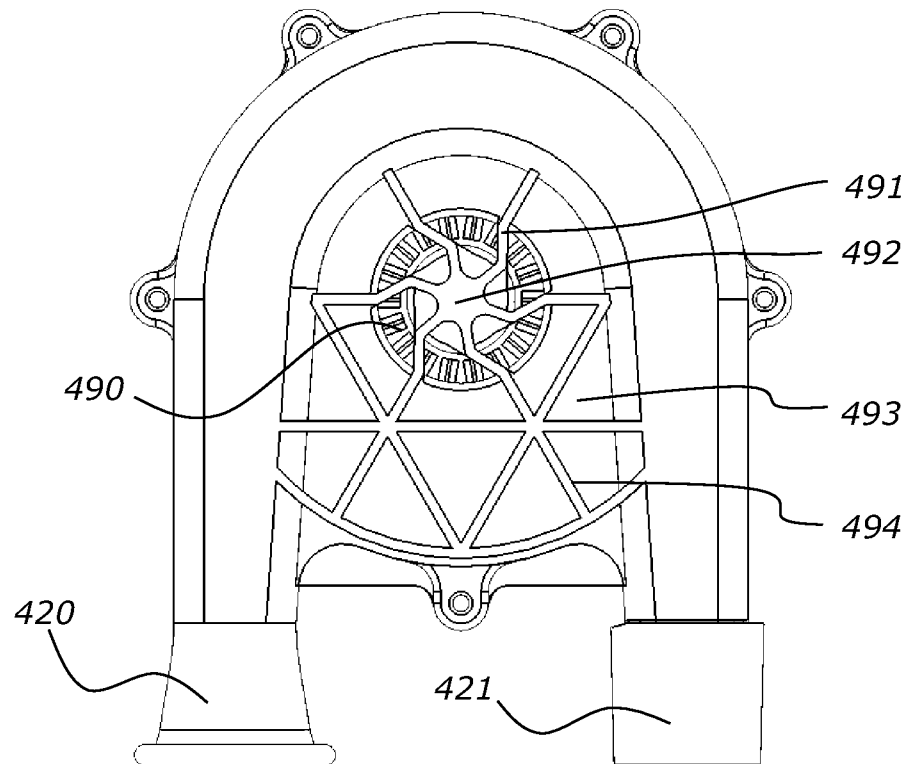


FIGURE 72

42 / 60

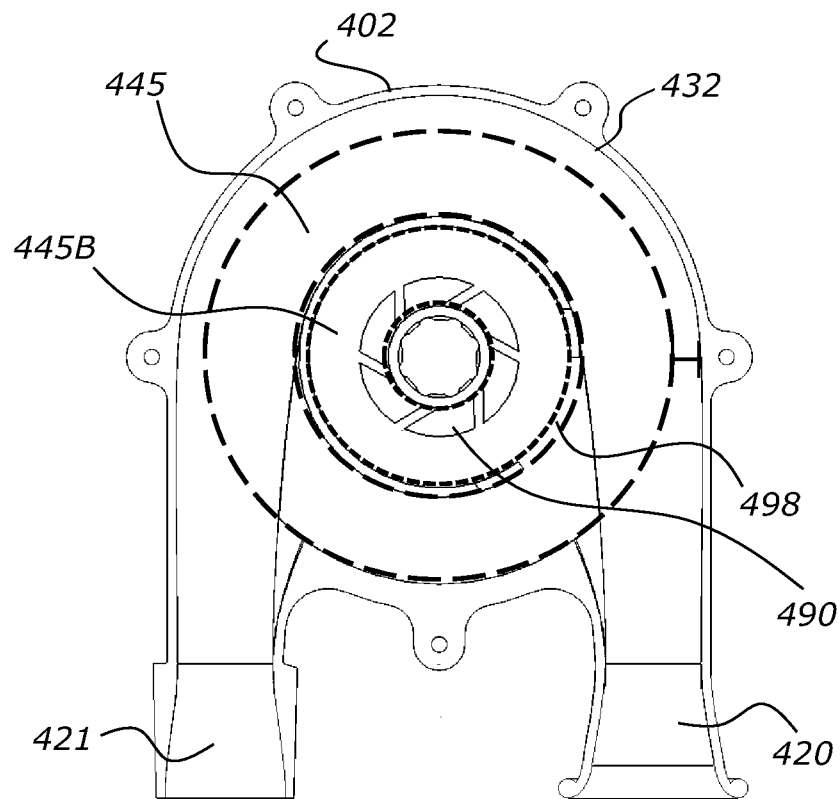


FIGURE 73

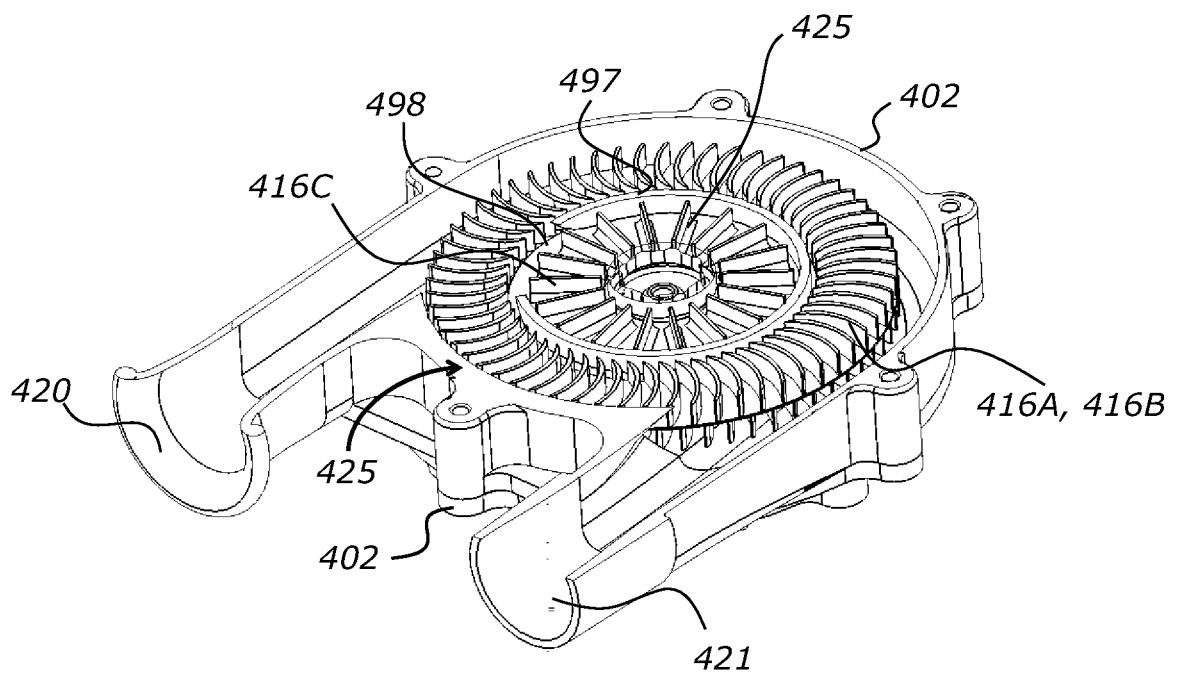
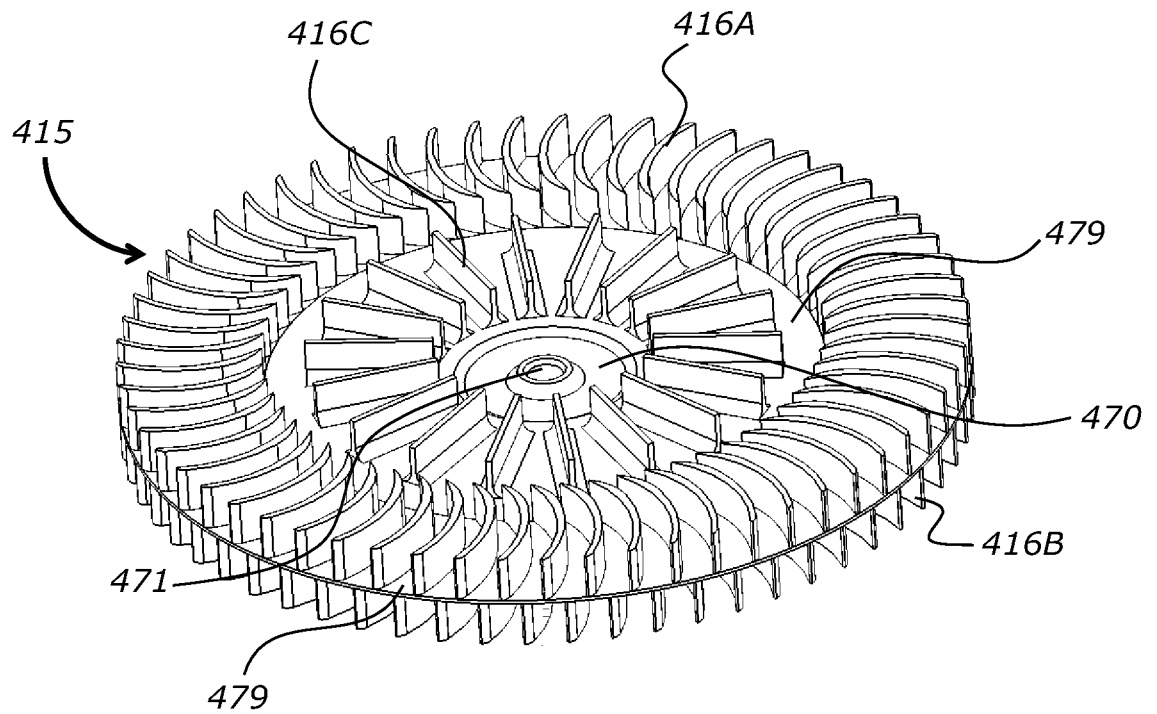
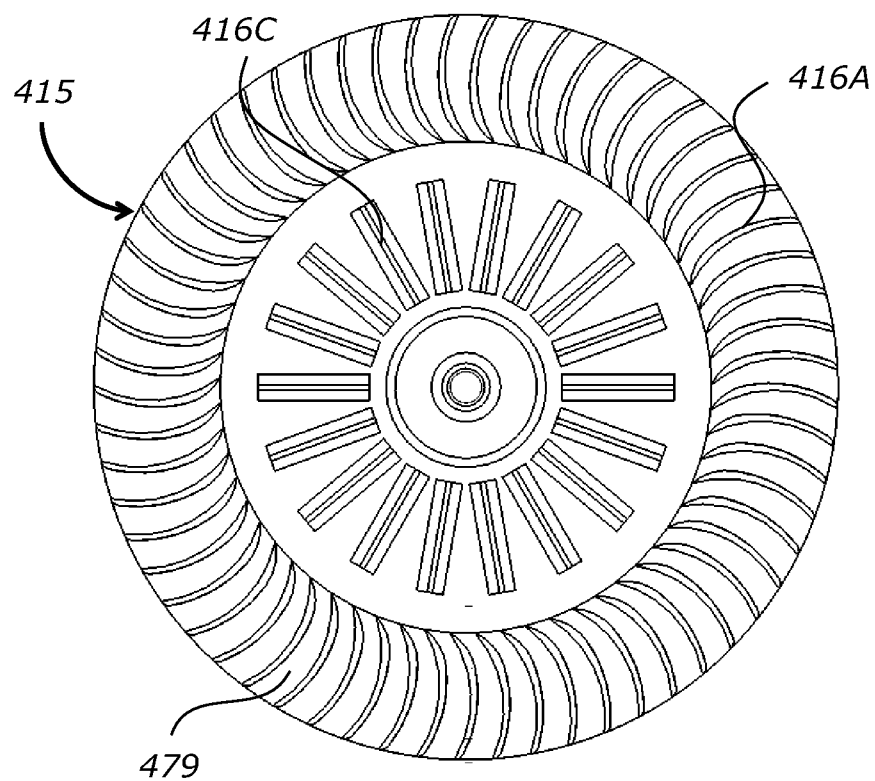


FIGURE 74

43 / 60

**FIGURE 75****FIGURE 76**

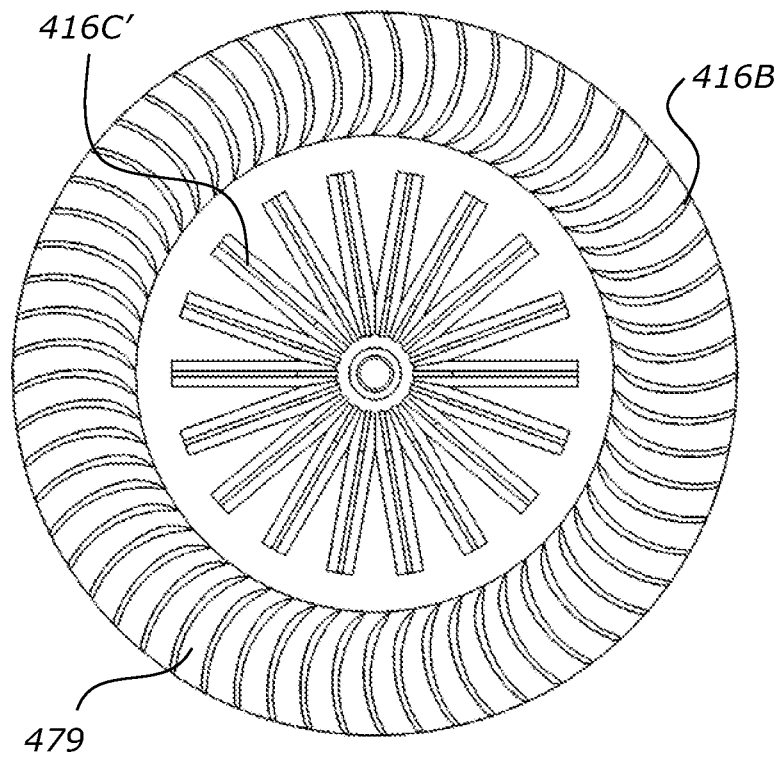


FIGURE 77

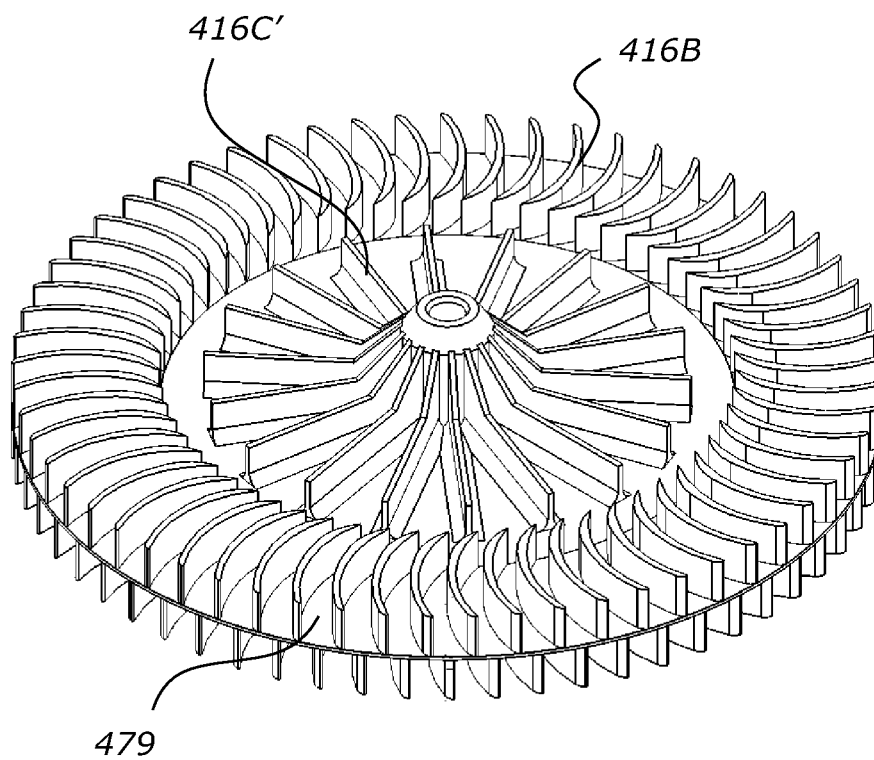


FIGURE 78

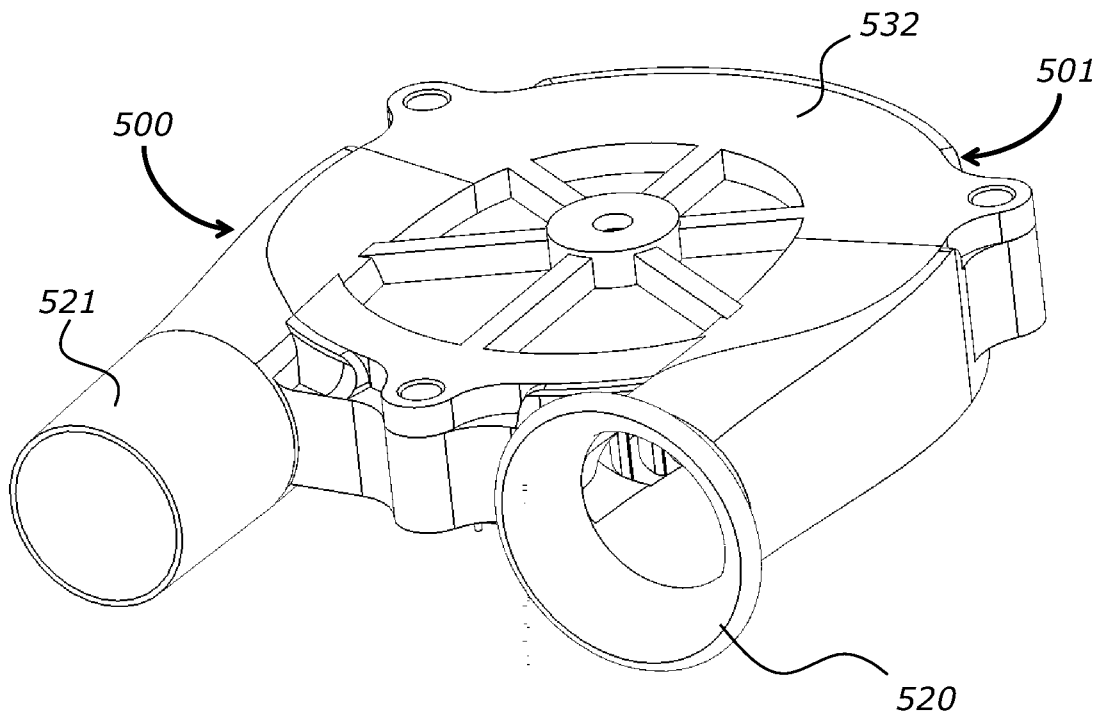
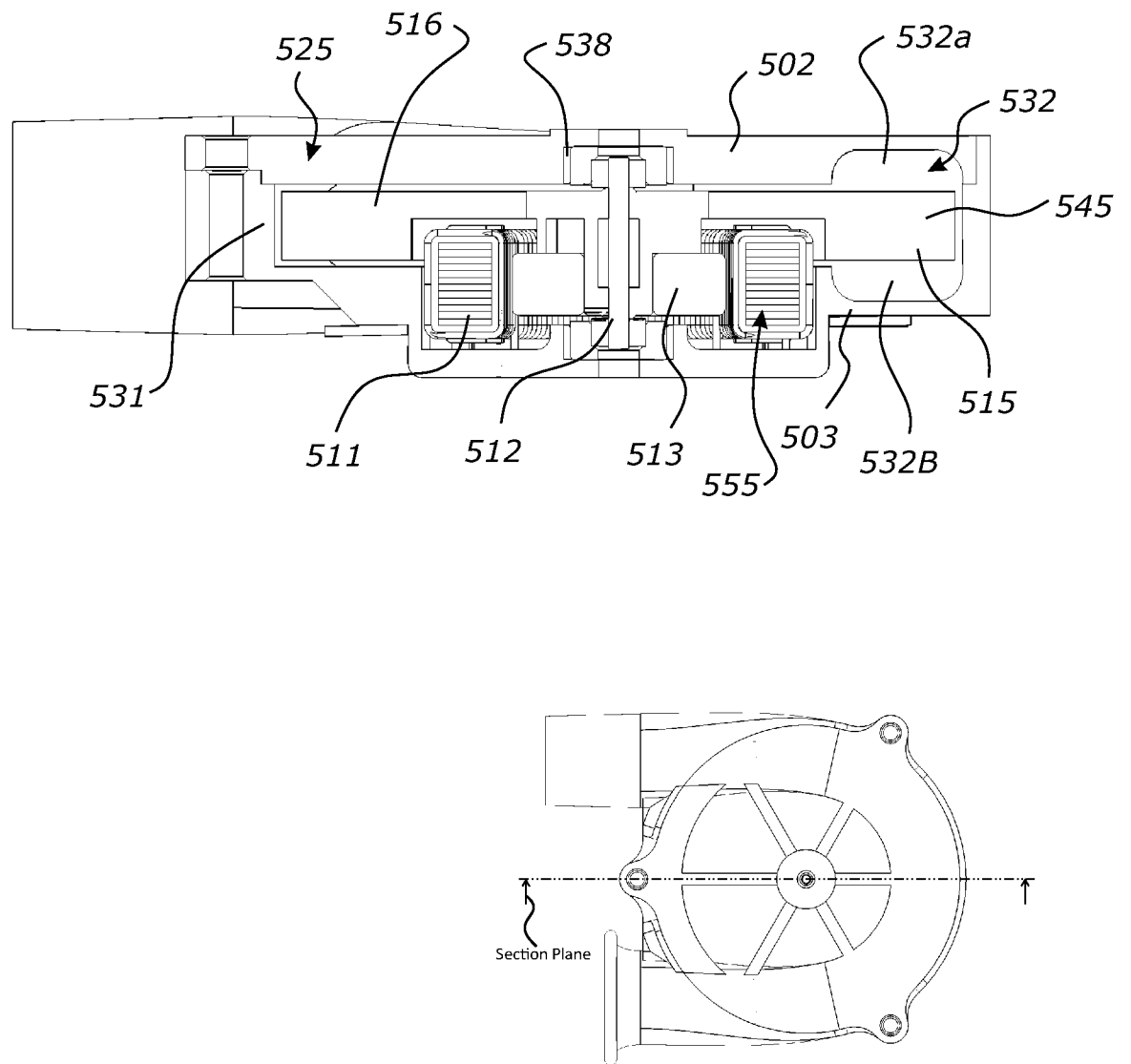


FIGURE 79

46 / 60

**FIGURE 80**

47 / 60

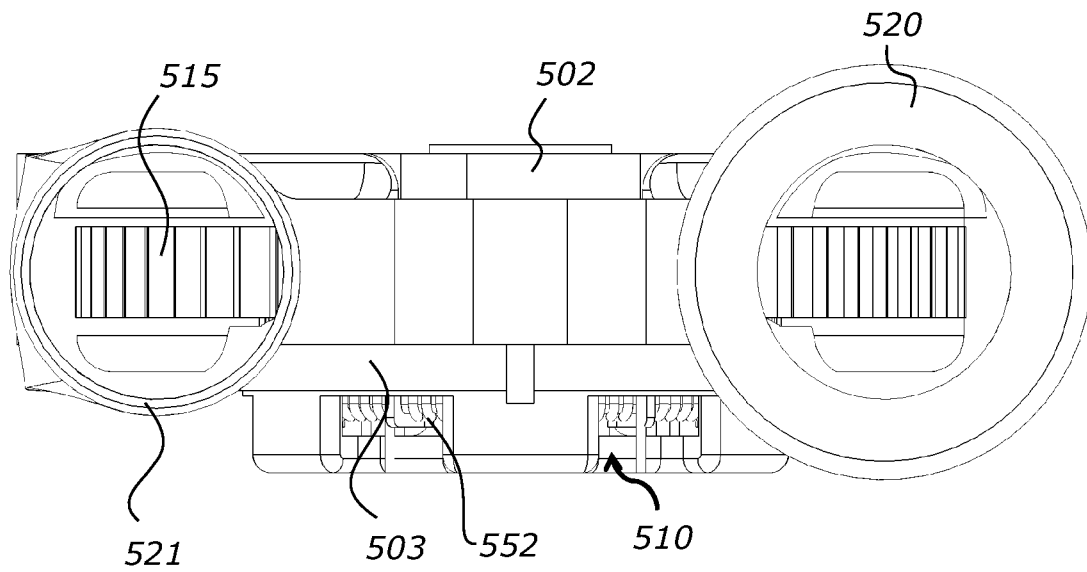


FIGURE 81

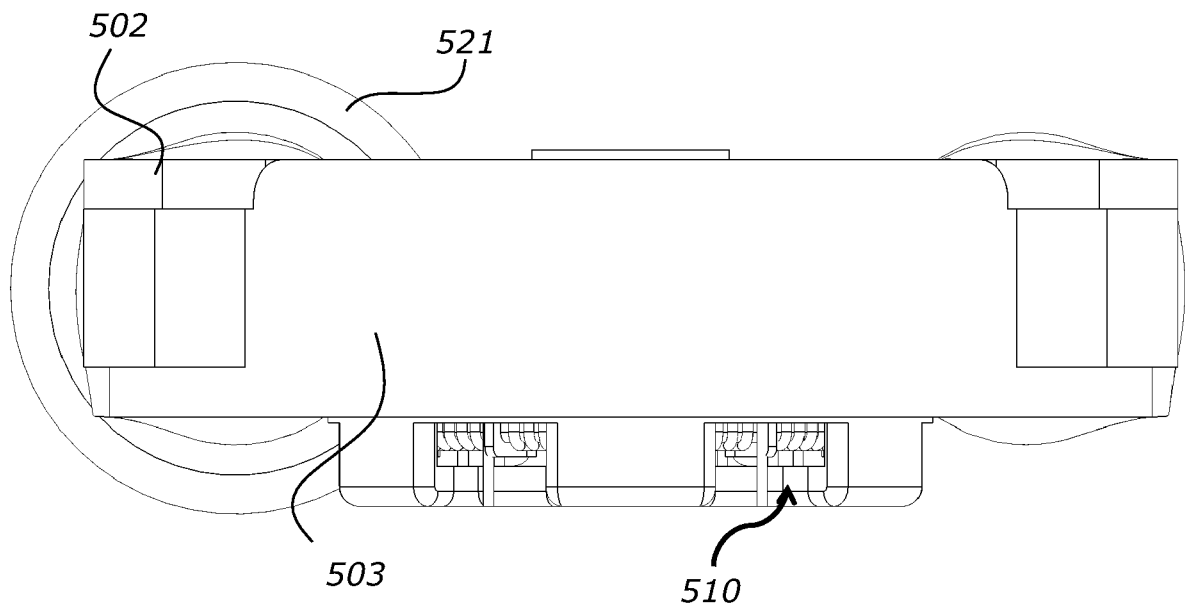


FIGURE 82

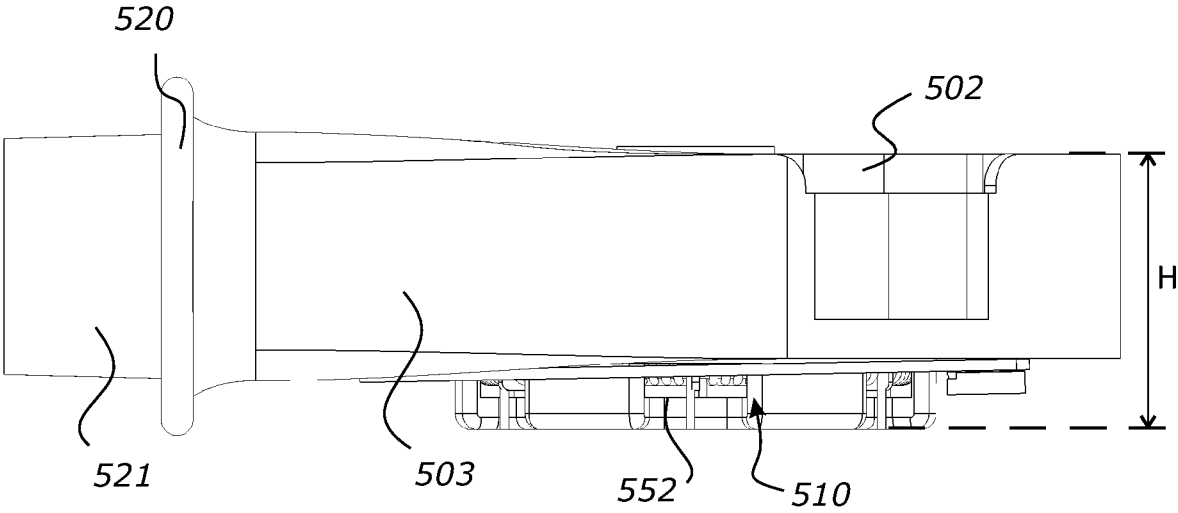


FIGURE 83

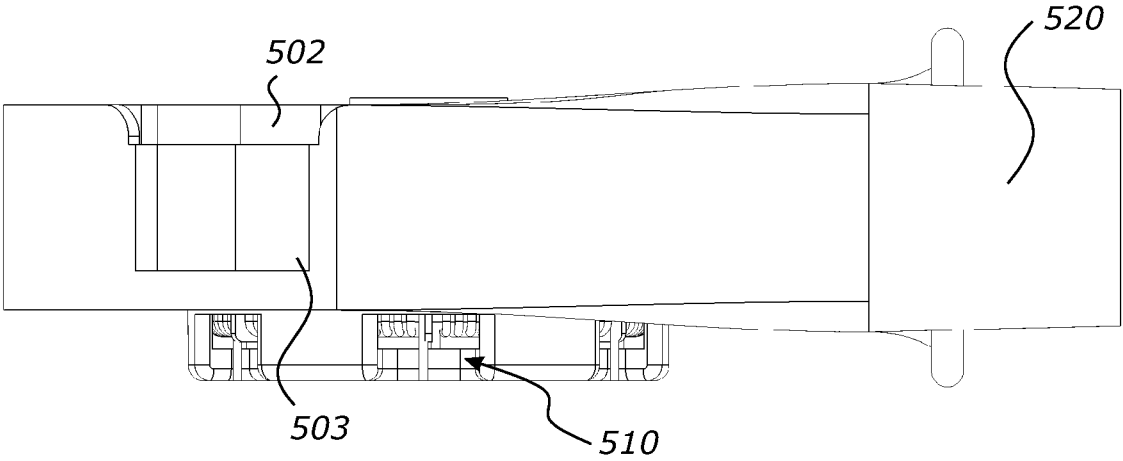
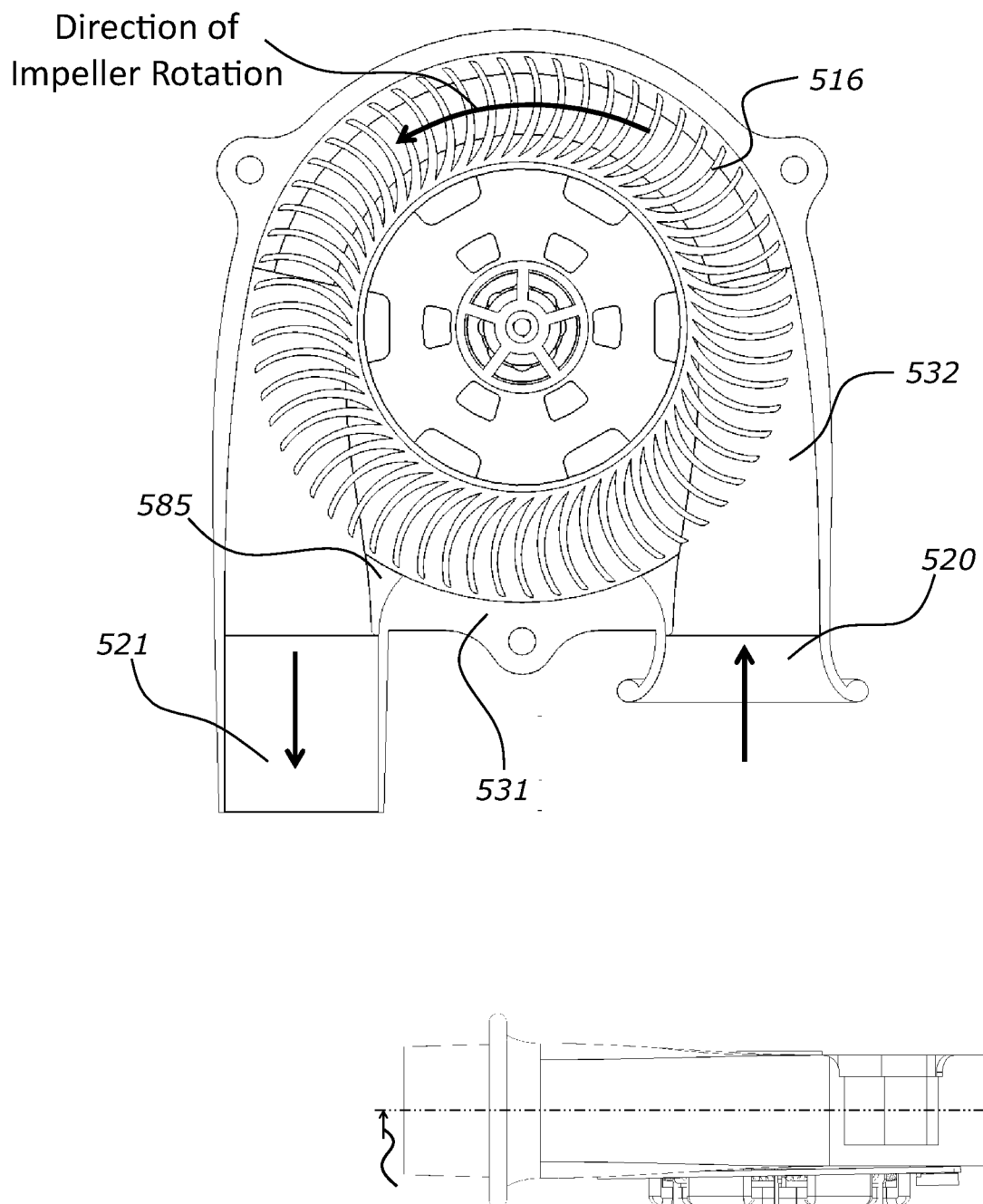


FIGURE 84

49 / 60

**FIGURE 85**

50 / 60

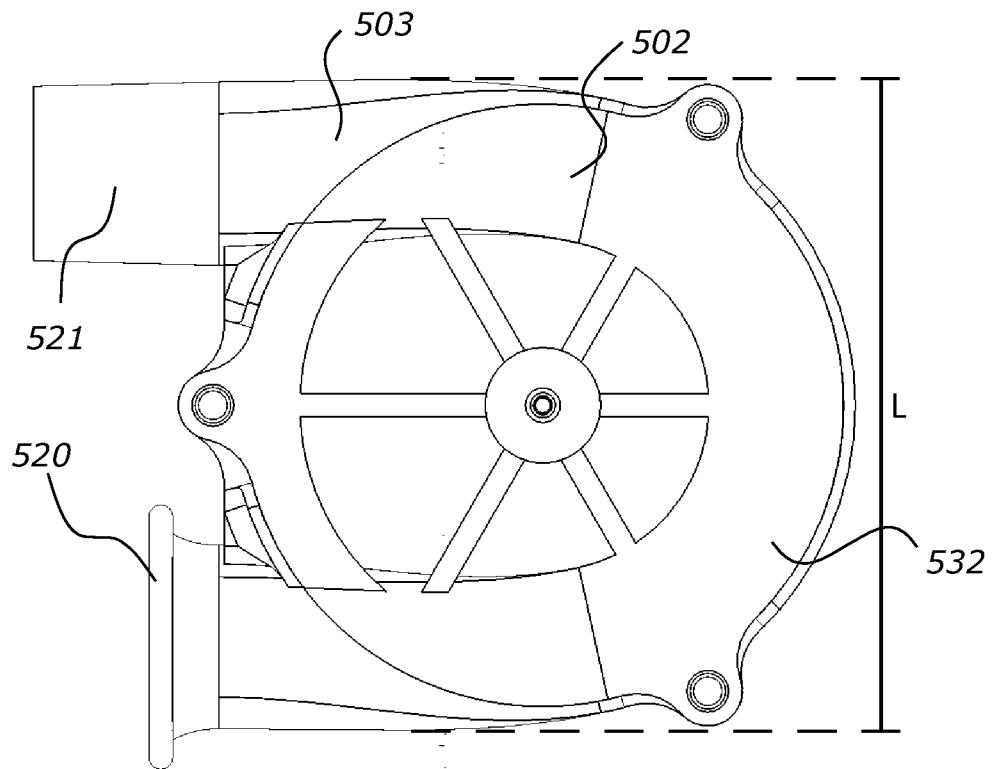


FIGURE 86

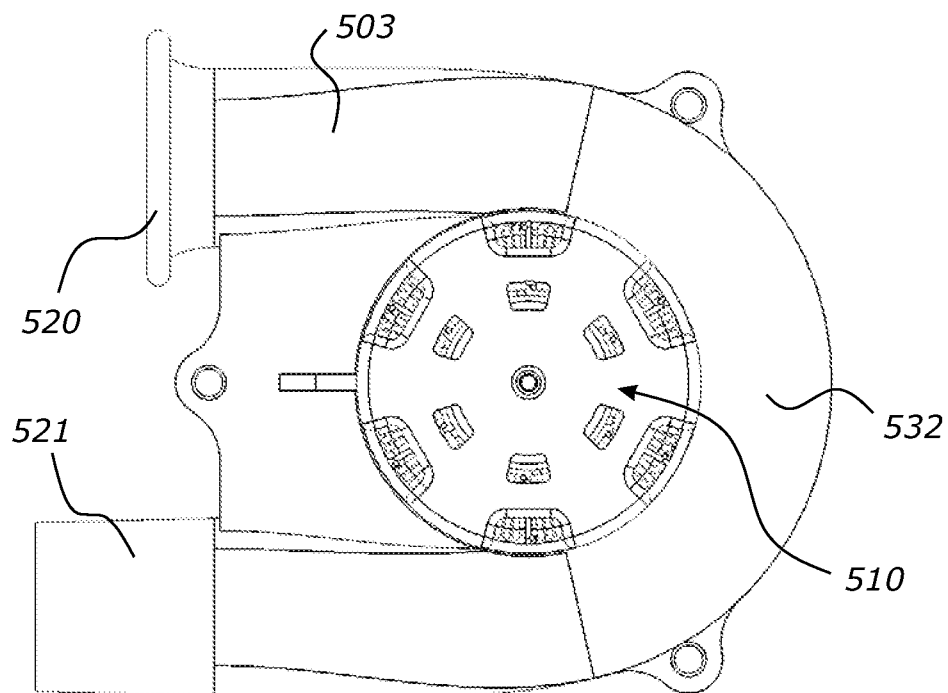
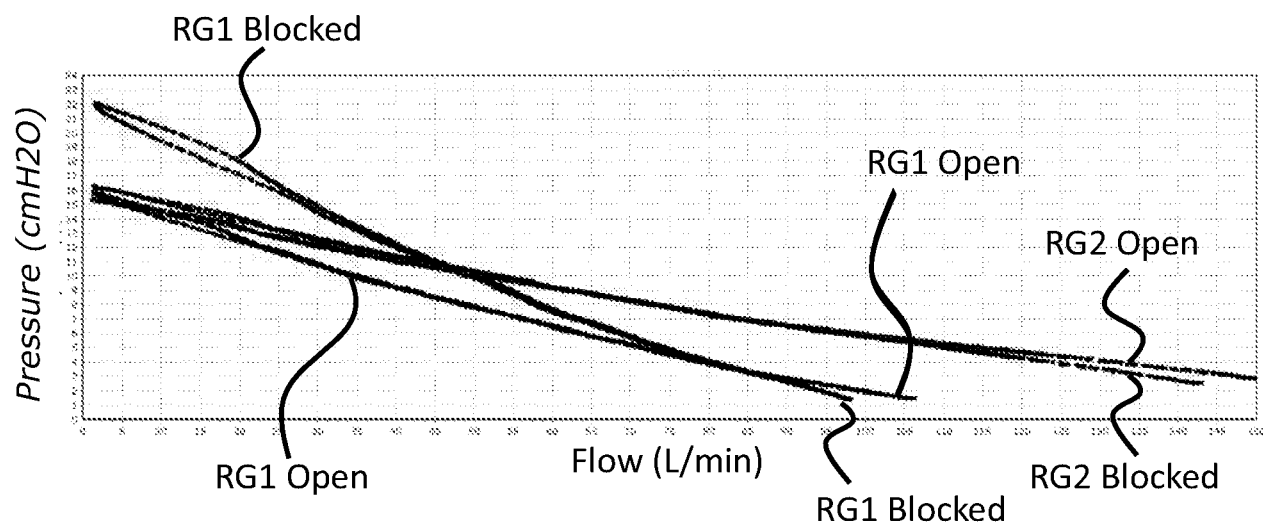


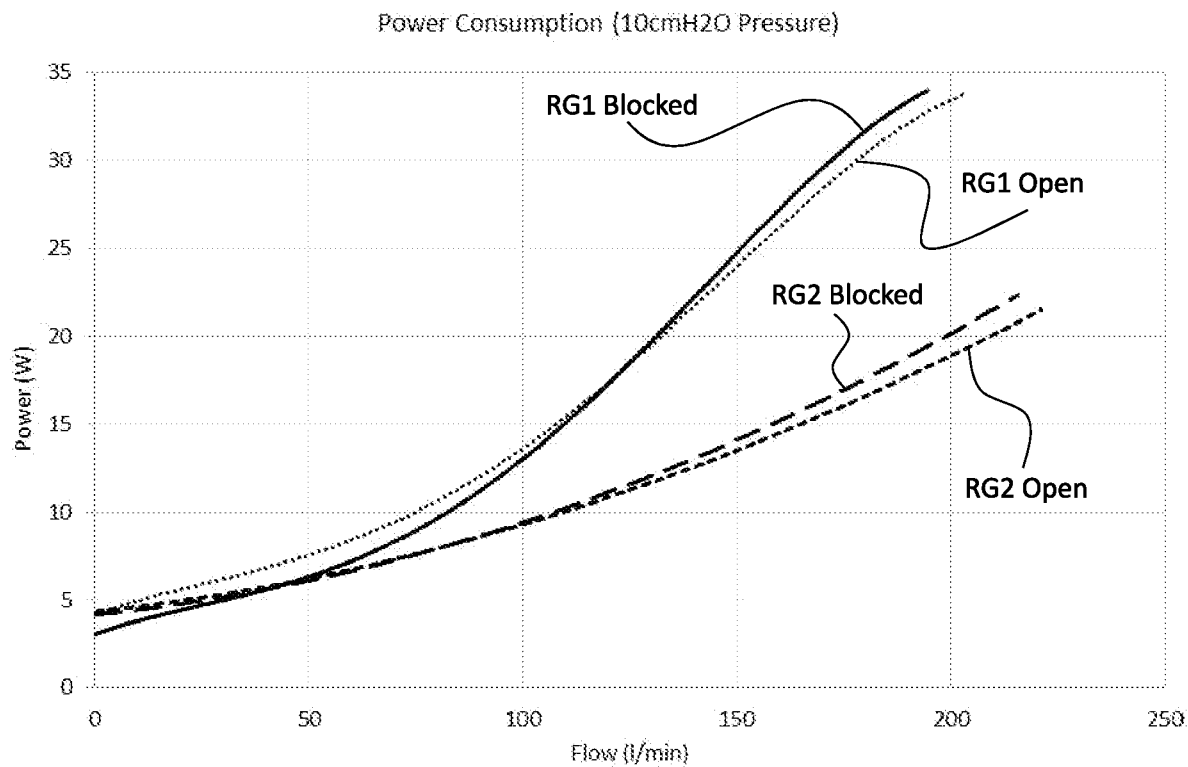
FIGURE 87

51 / 60



Pressure v Flow
for RG1 open/blocked and RG2 open/blocked at 10,000 rpm

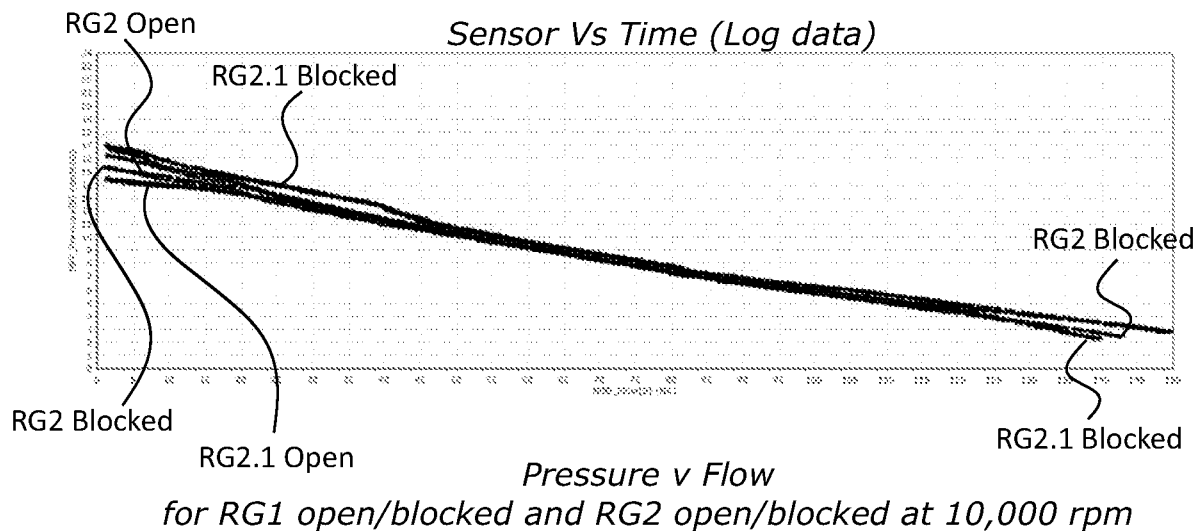
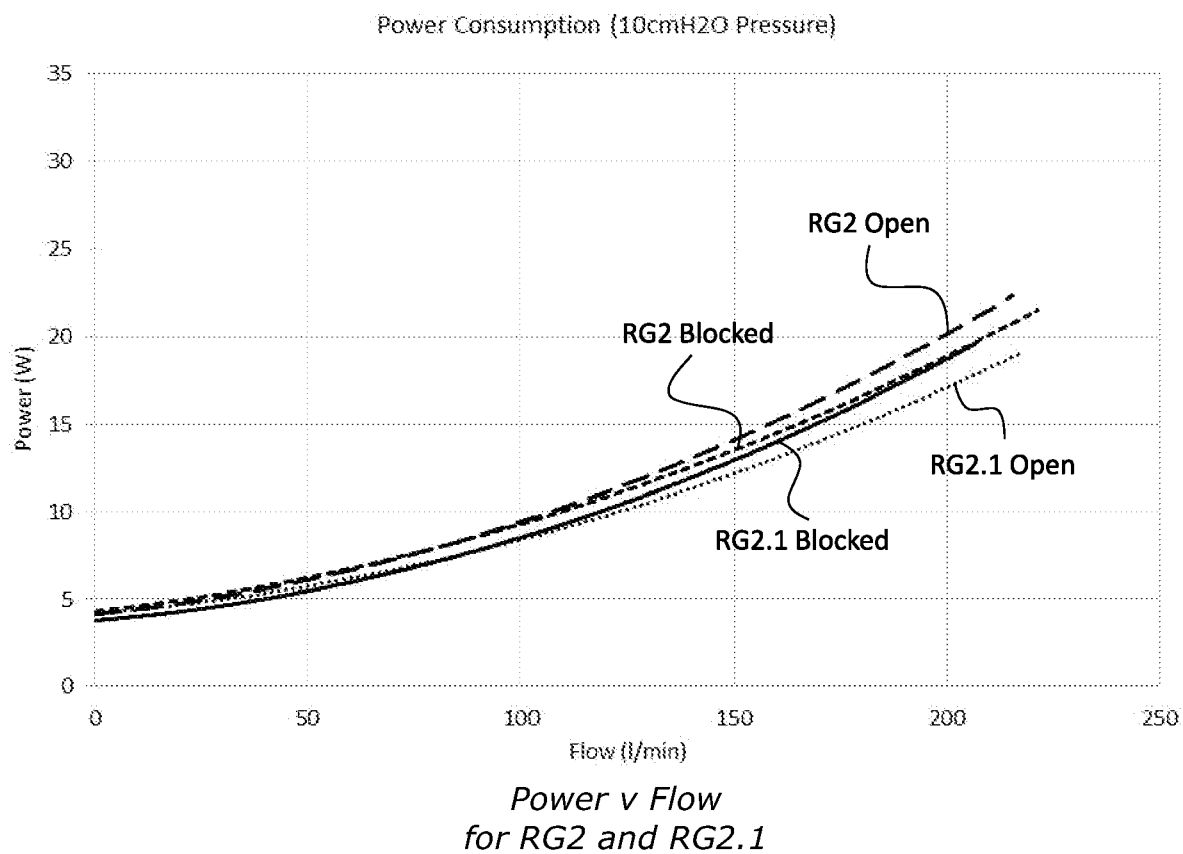
FIGURE 88



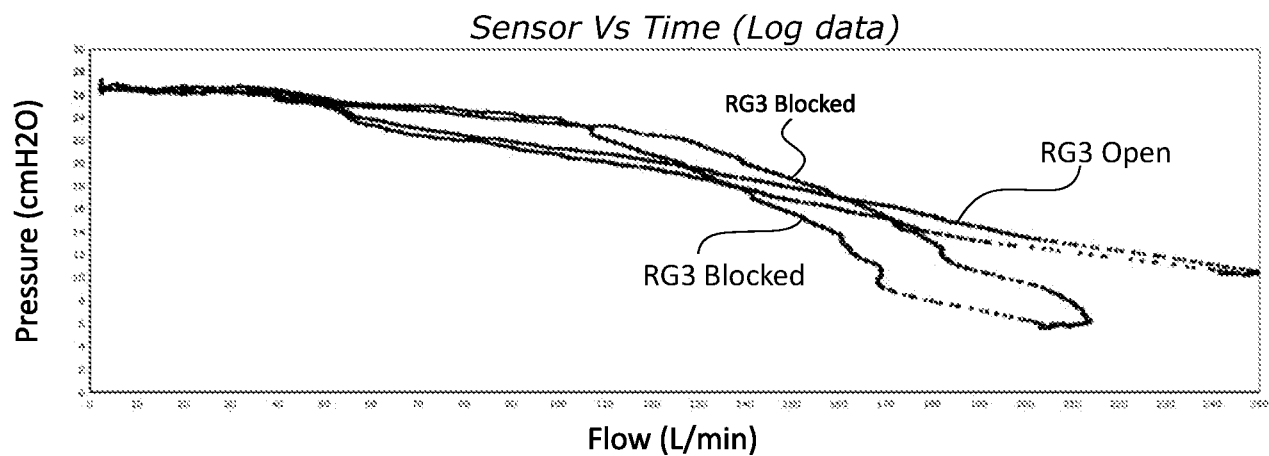
Power v Flow
for RG1 and RG2

FIGURE 89

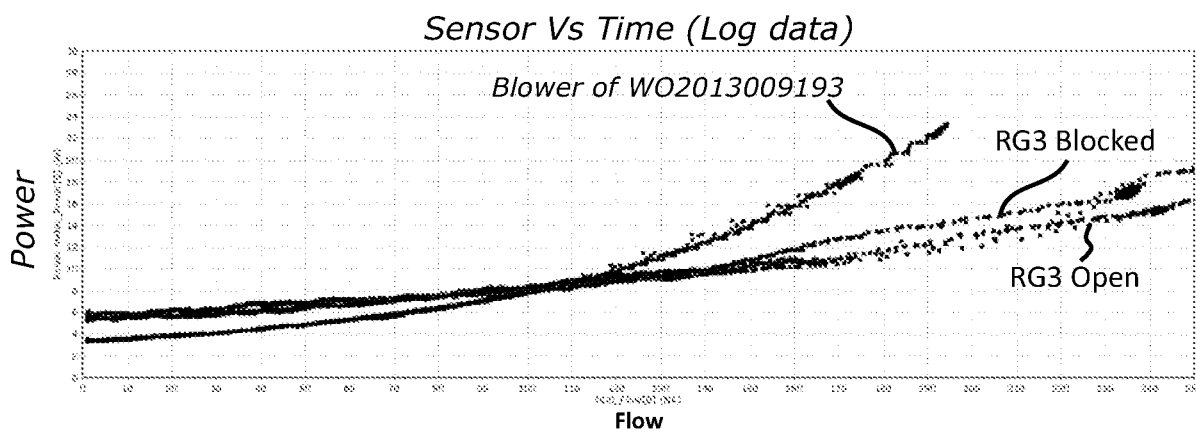
52 / 60

**FIGURE 90****FIGURE 91**

53 / 60



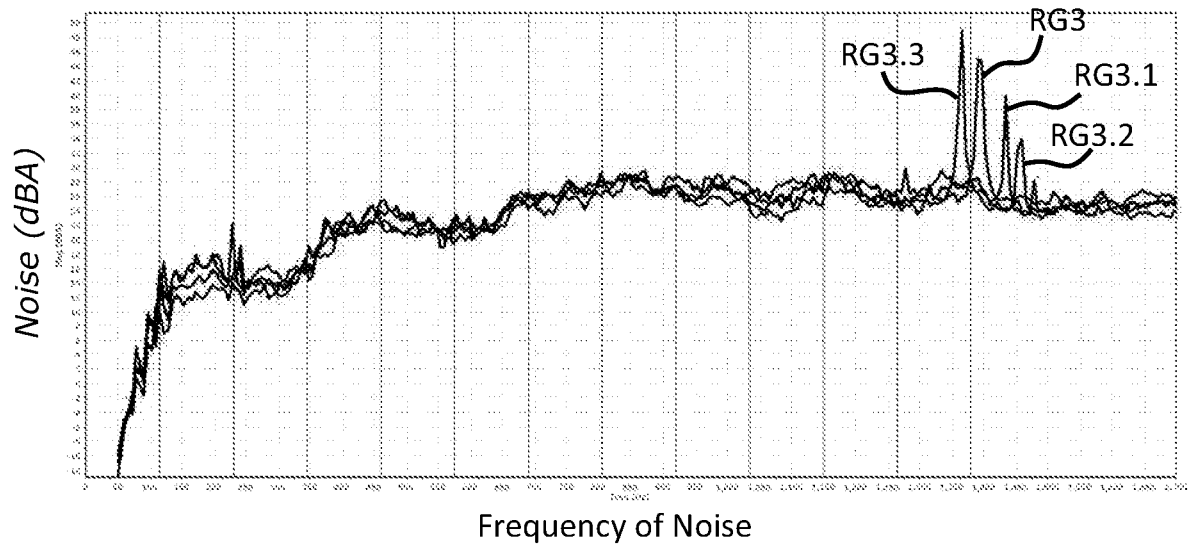
*Pressure v Flow
relationship of RG3*

FIGURE 92

*Power v Flow
relationship of RG3*

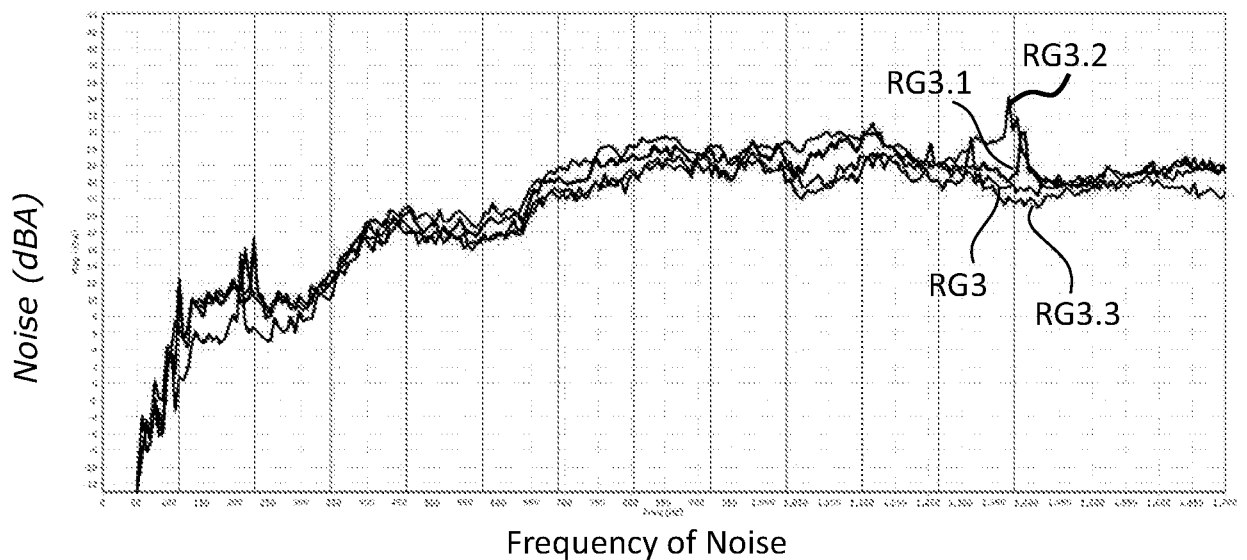
FIGURE 93

54 / 60



*Noise test RG3, RG3.1, RG3.2, RG3.3
with full length impeller*

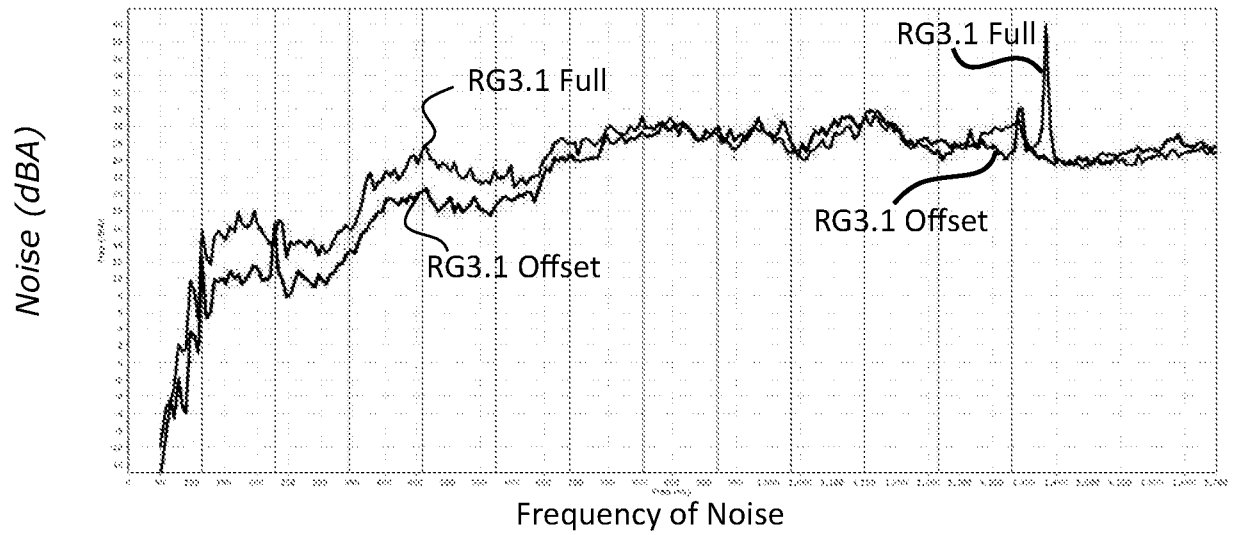
FIGURE 94



*Noise test RG3, RG3.1, RG3.2, RG3.3
with offset impeller blades and webs*

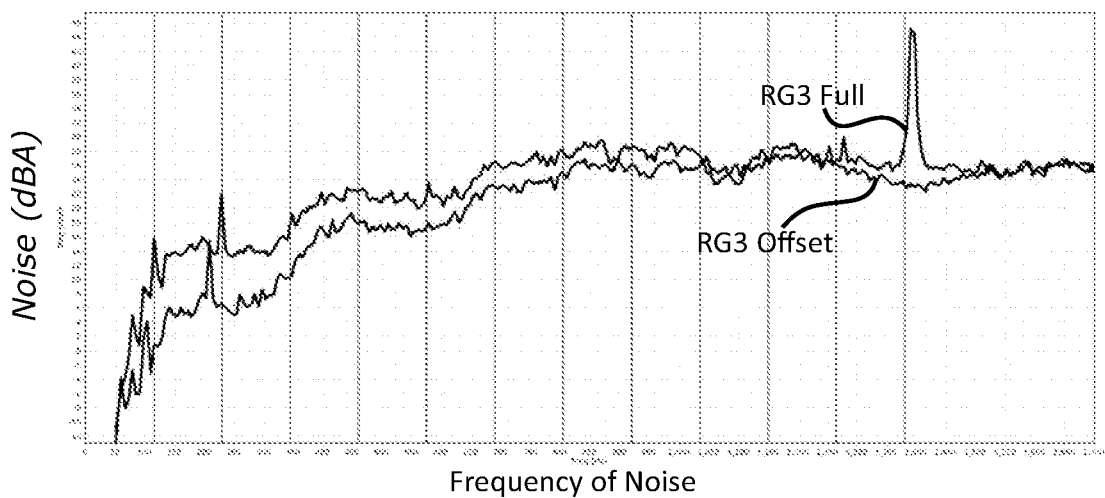
FIGURE 95

55 / 60



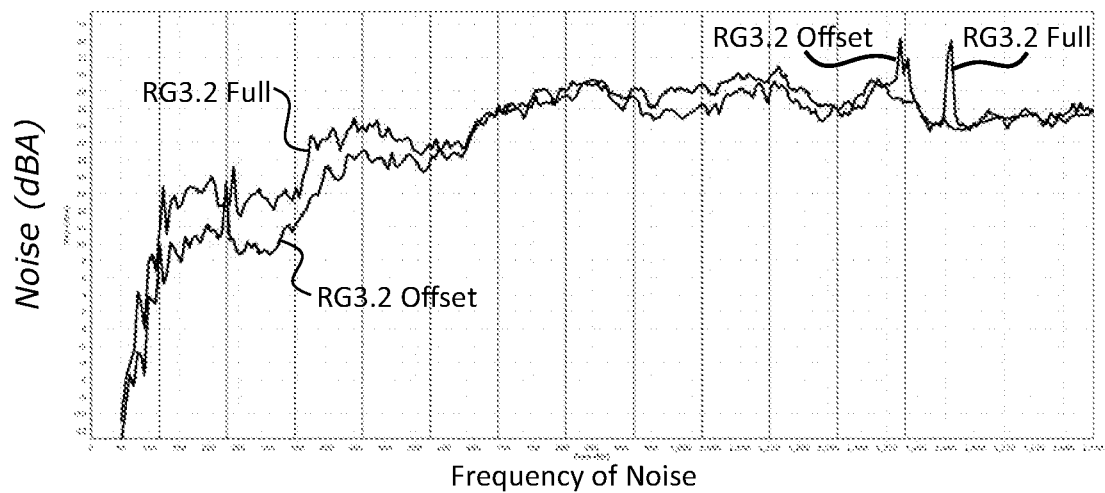
*Noise test RG3.1
comparing full to offset & web impeller blades*

FIGURE 96



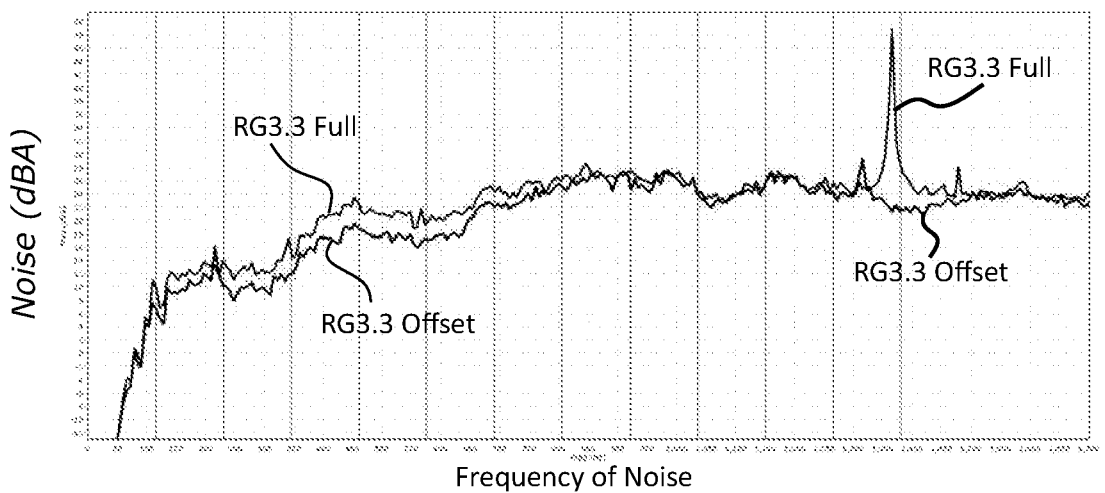
*Noise test RG3
comparing full to offset & web impeller blades*

FIGURE 97



Noise test RG3.2
comparing full to offset & web impeller blades

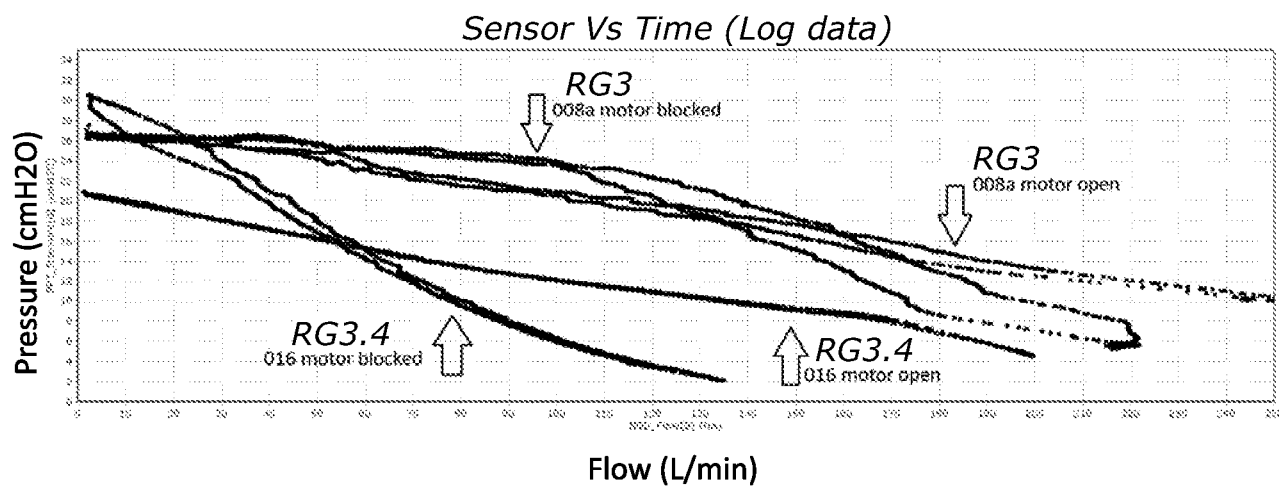
FIGURE 98



Noise test RG3.3
comparing full to offset & web impeller blades

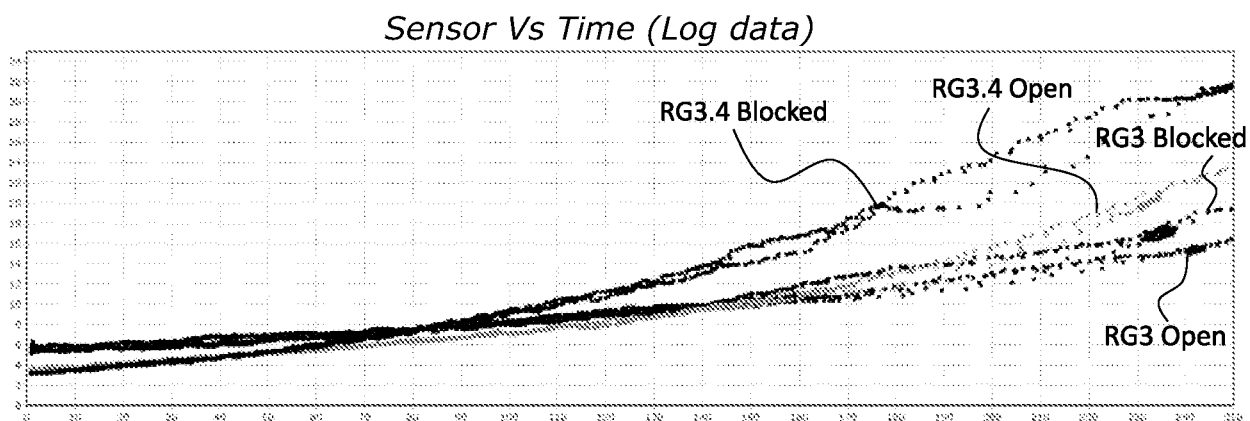
FIGURE 99

57 / 60



RG3.4 v RG3
Pressure - Flow curves

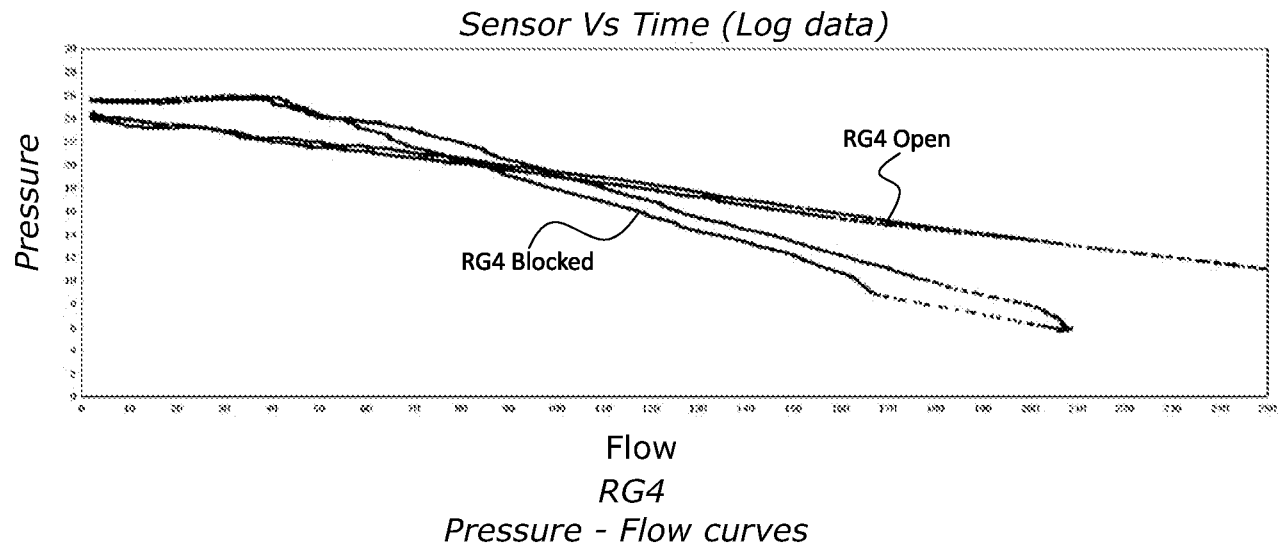
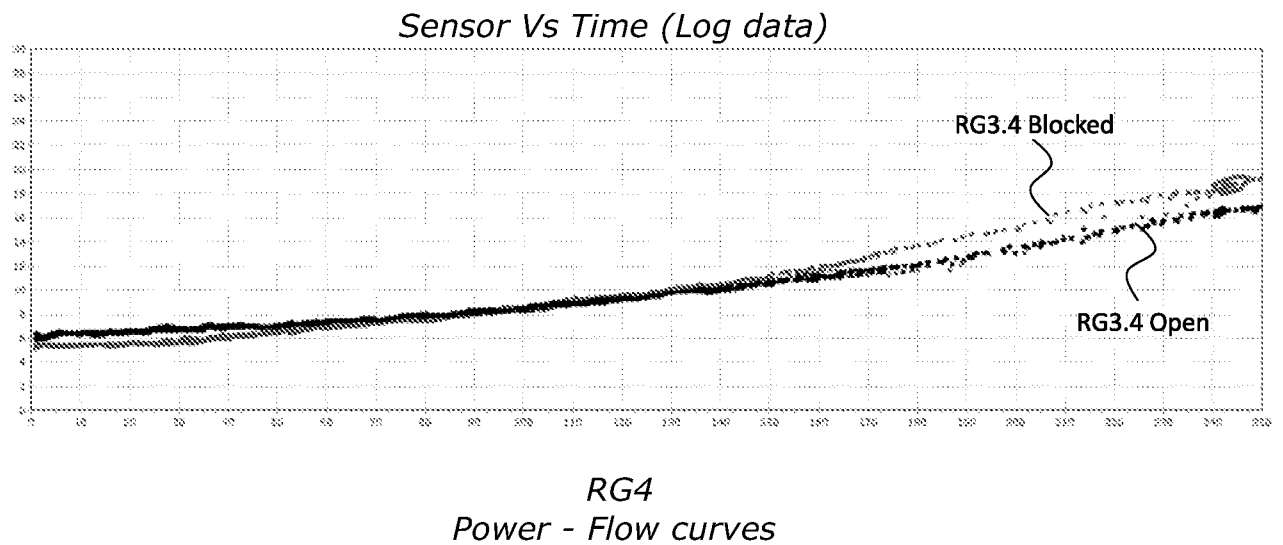
FIGURE 100



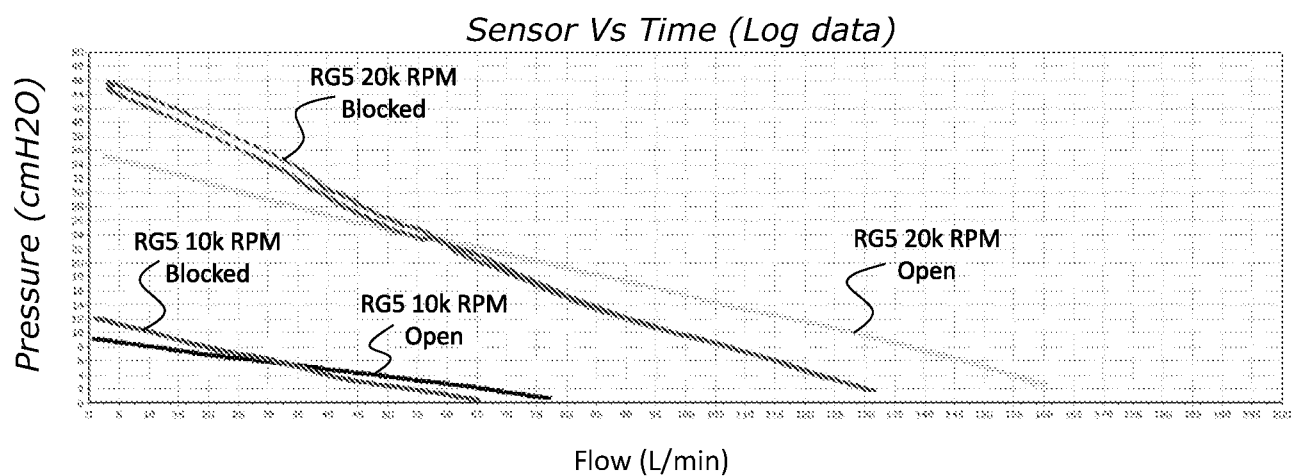
RG3.4 v RG3
Power - Flow curves

FIGURE 101

58 / 60

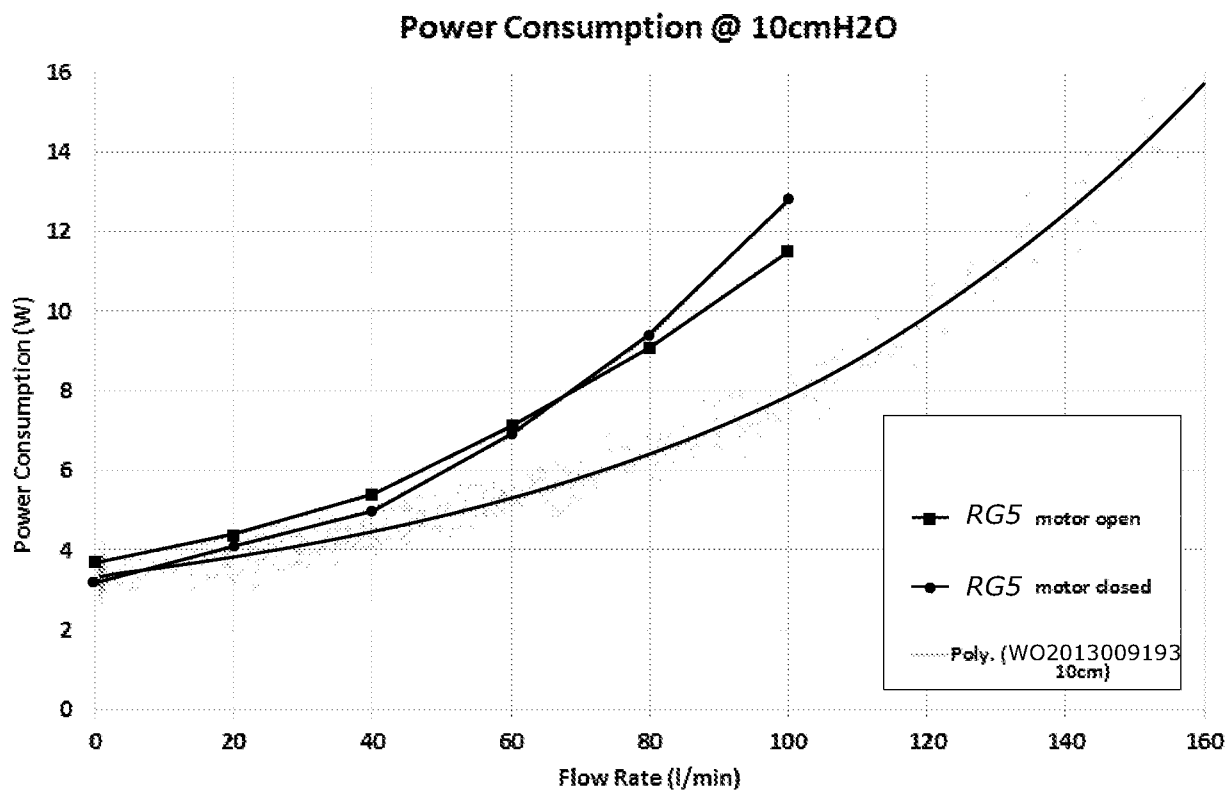
**FIGURE 102****FIGURE 103**

59 / 60



RG5
Pressure - Flow curves

FIGURE 104



RG5
Power - Flow curves

FIGURE 105

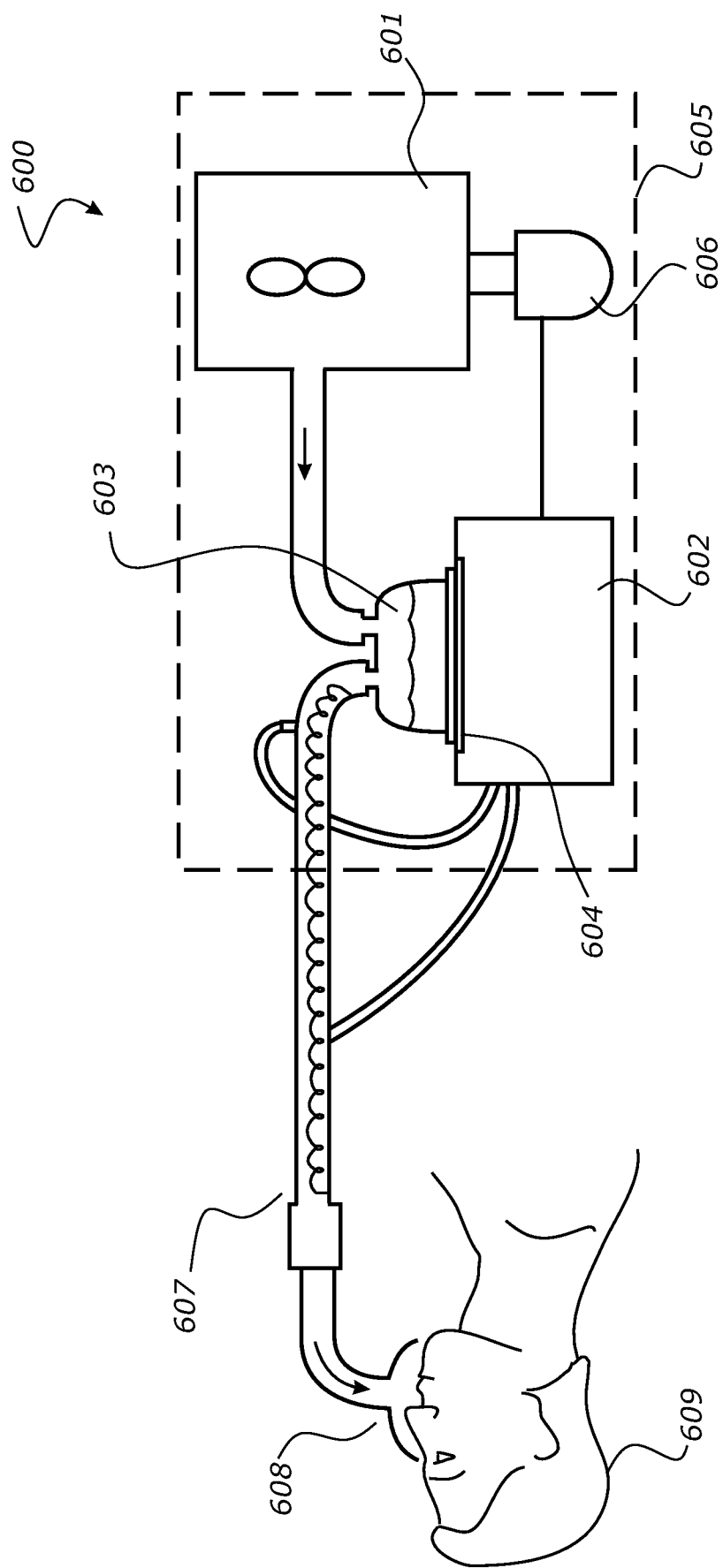


FIGURE 106