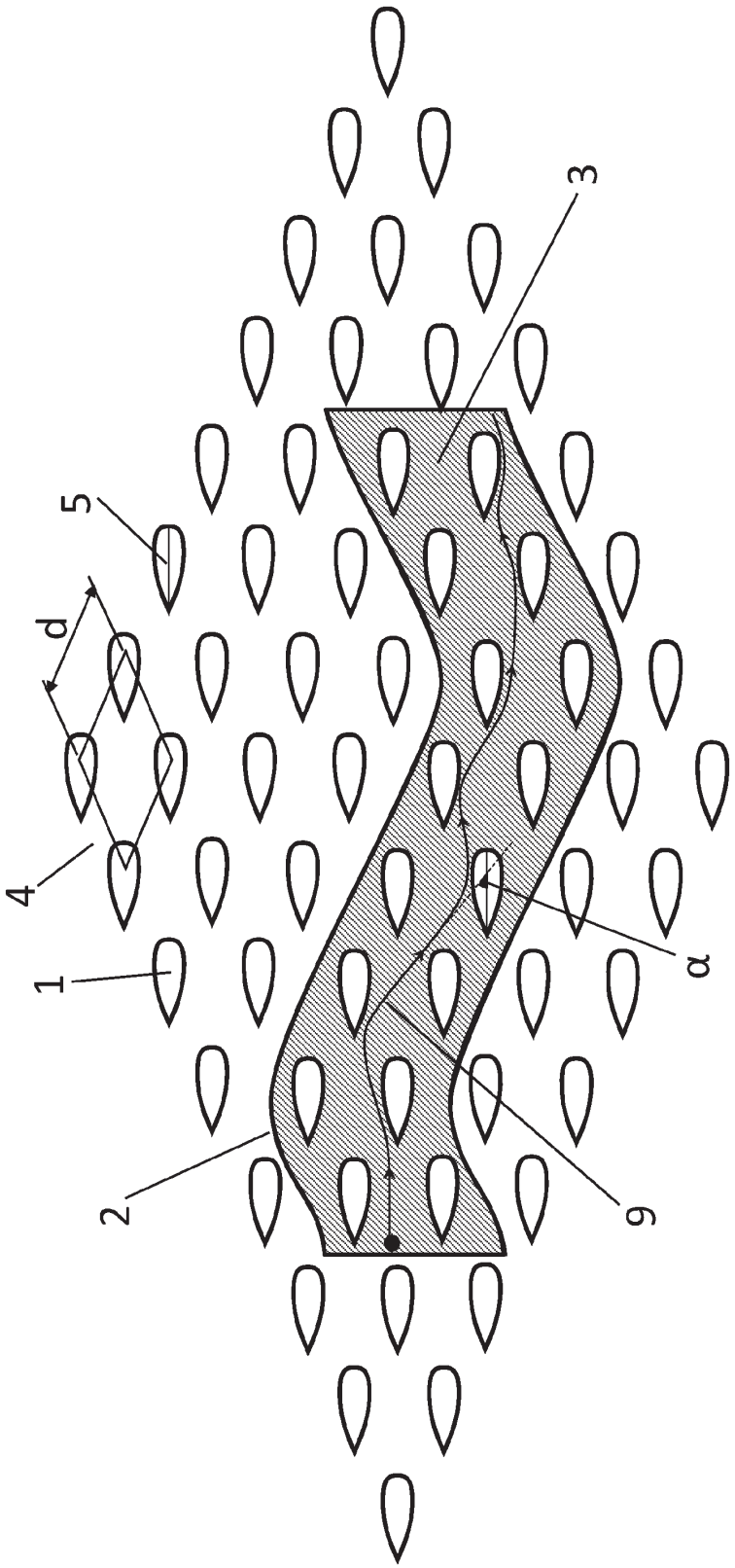

Figure 1

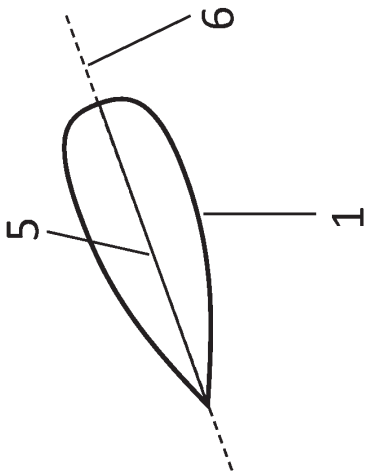

Figure 2

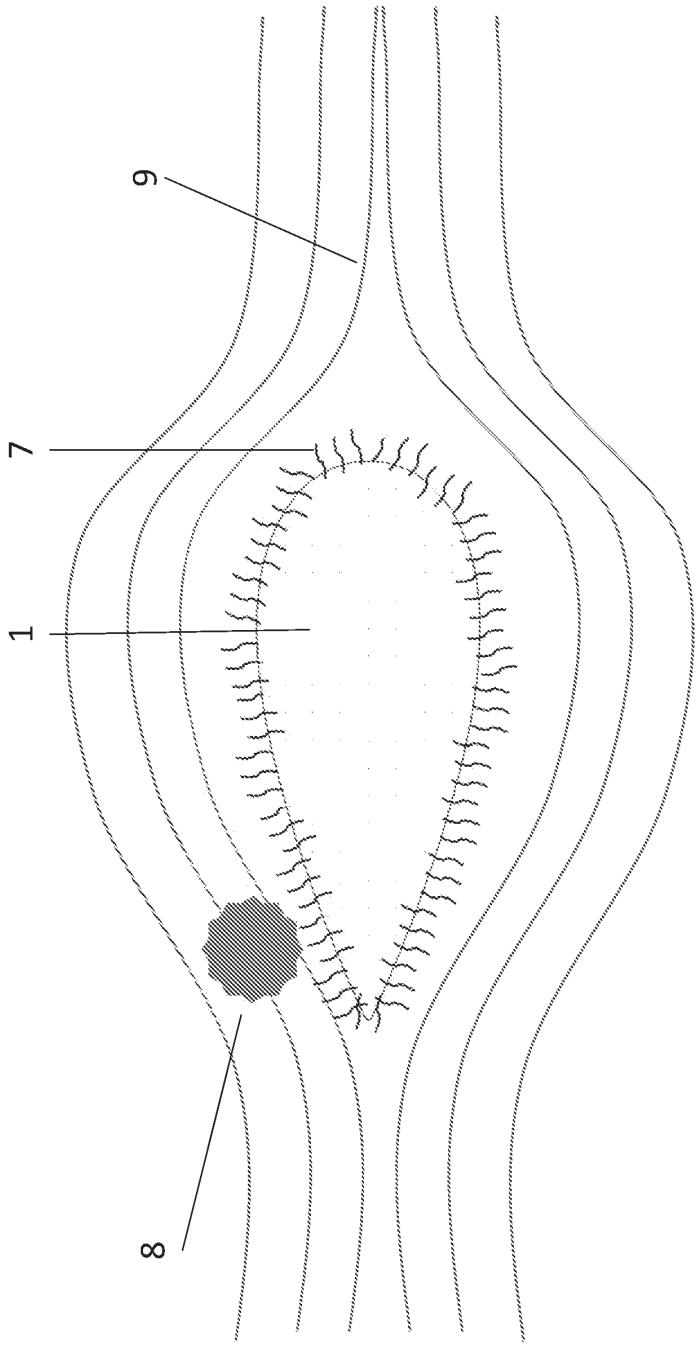

Figure 3

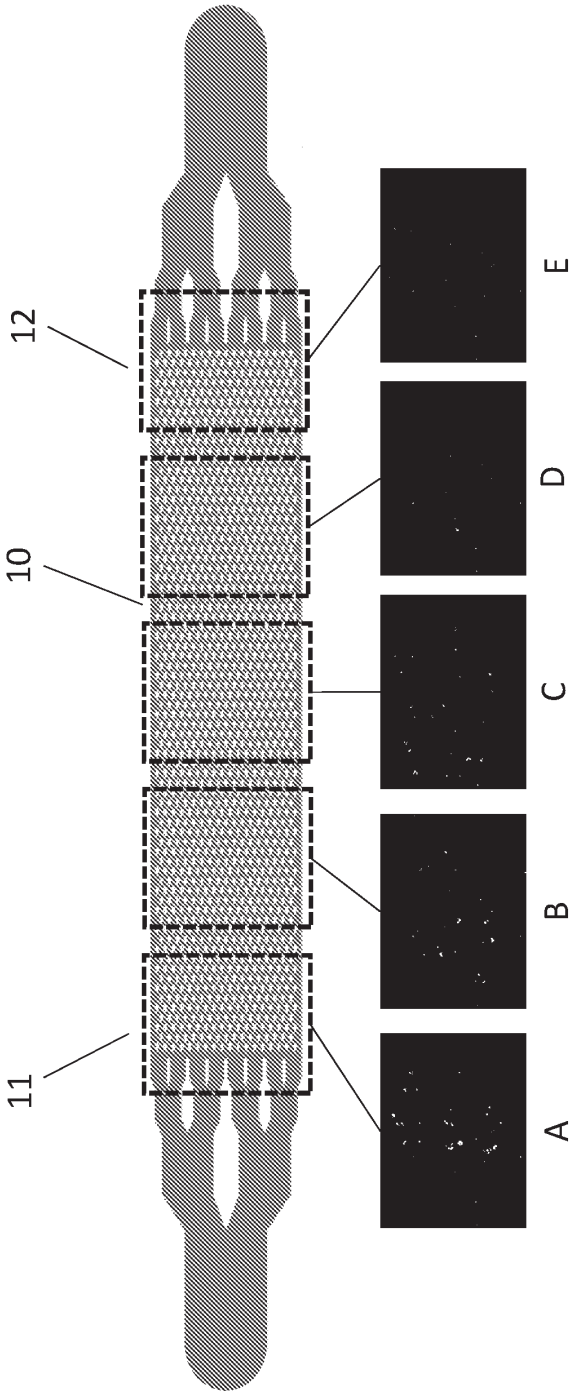

Figure 4

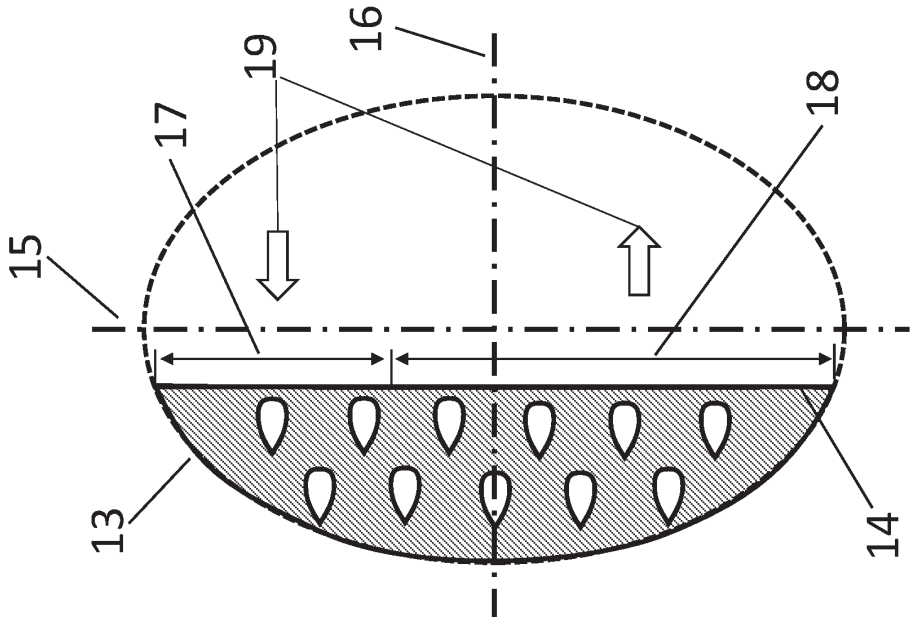

Figure 5

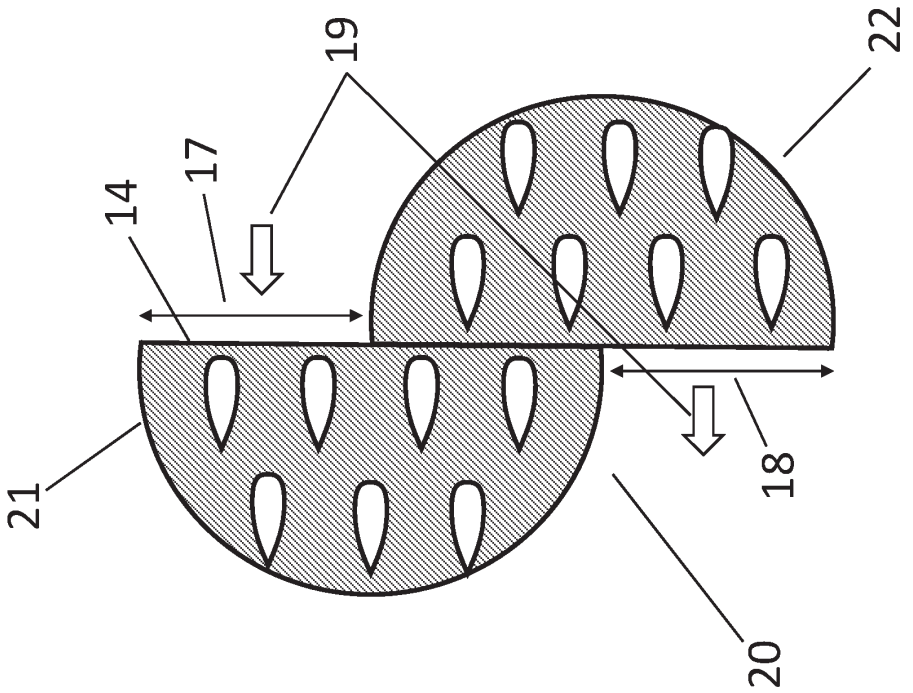

Figure 6

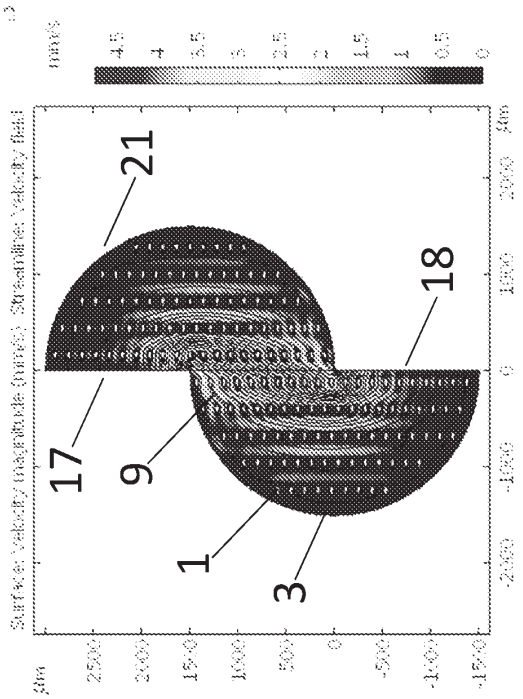
Surface Velocity (magnitude (knots)) Streamline Velocity field
knots
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
km
2500
2000
1500
1000
500
0
-500
-1000
-1500
-2000
-1000
0
1000
2000
21
18
17
9
1
3

Figure 7

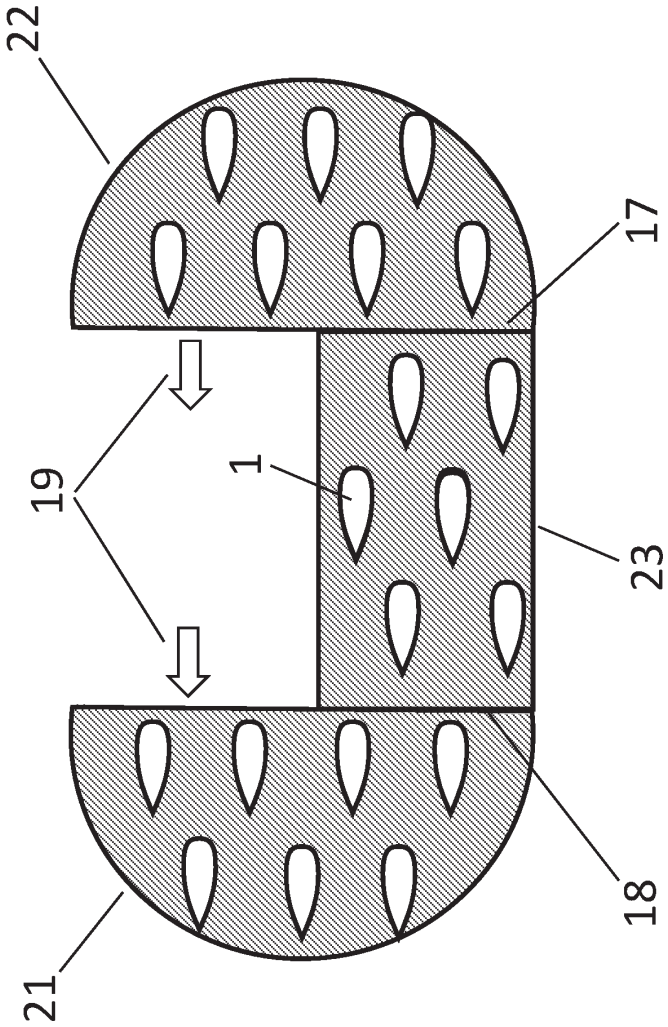

Figure 8

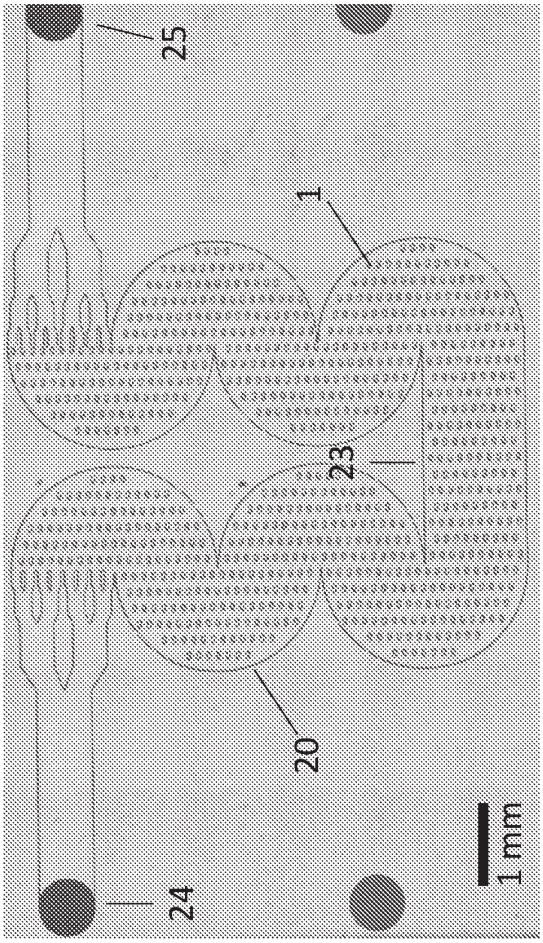

Figure 9