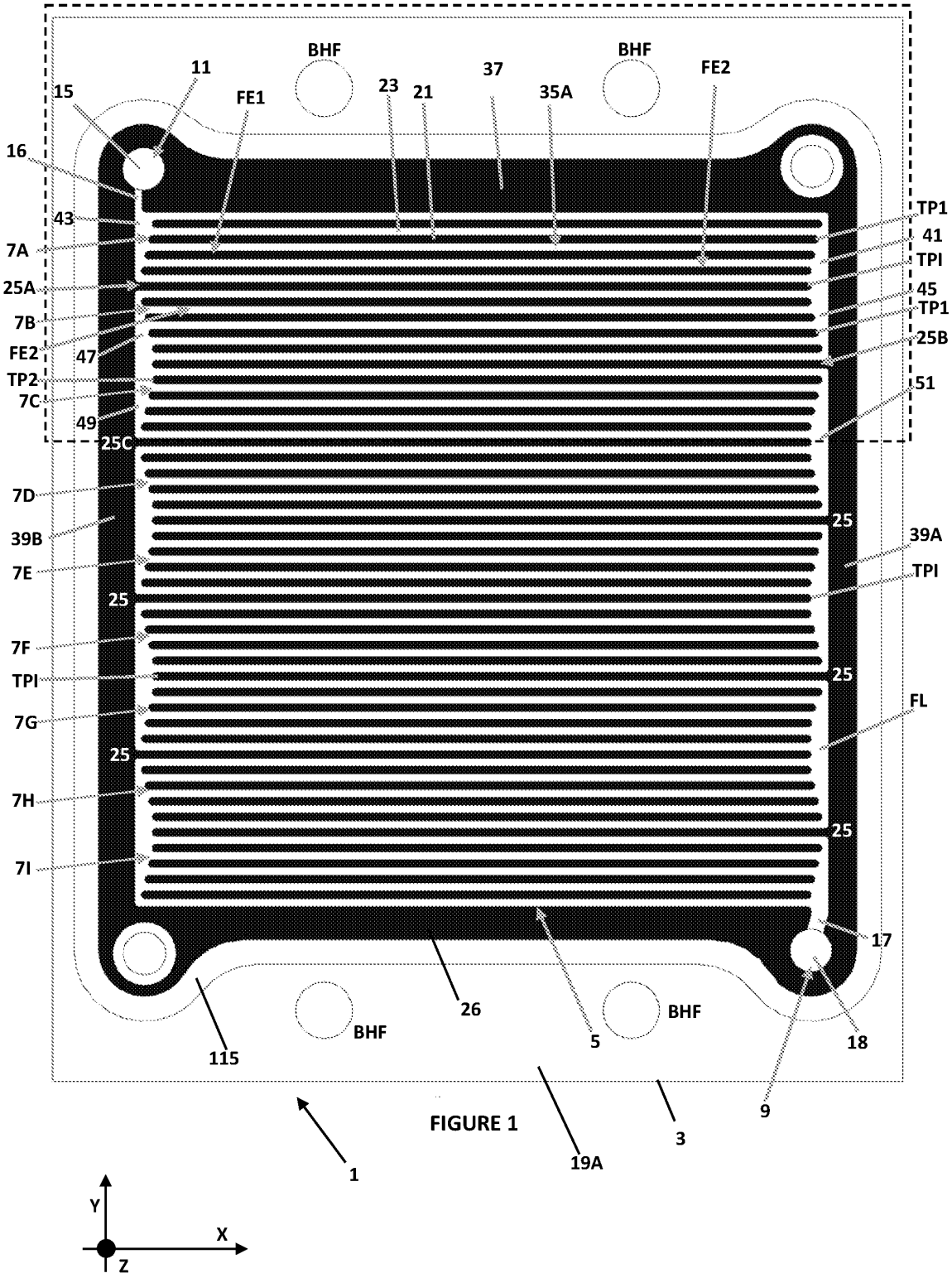

BHF
BHF
11
15
FE1
23
21
37
35A
FE2
16
43
7A
25A
7B
FE2
47
TP2
7C
49
25C
7D
39B
7E
25
7F
TPI
7G
25
7H
25
7I
TP1
41
TPI
45
TP1
25B
51
25
39A
TPI
25
FL
25
17
BHF
BHF
26
5
18
115
9
3
19A
1
Y
X
Z

FIGURE 1

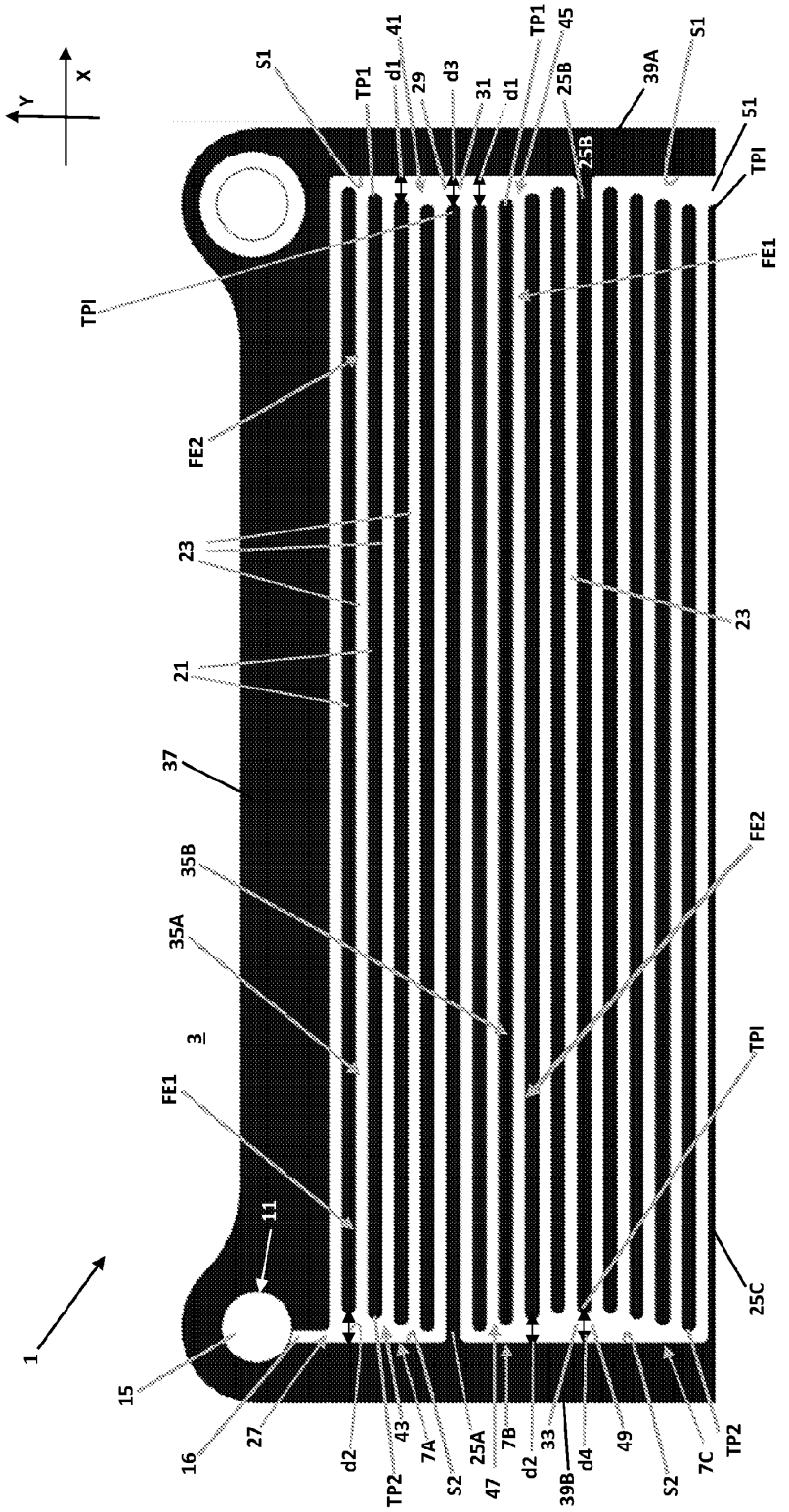

Y
X
S1
TP1
d1
41
29
d3
31
d1
TP1
45
25B
39A
S1
51
TPI
FE1
TPI
FE2
23
23
21
37
35B
35A
3
FE1
11
1
15
16
27
d2
TP2
43
7A
S2
25A
47
7B
d2
33
39B
d4
49
S2
7C
TP2
25C
TPI
FE2

FIGURE 2

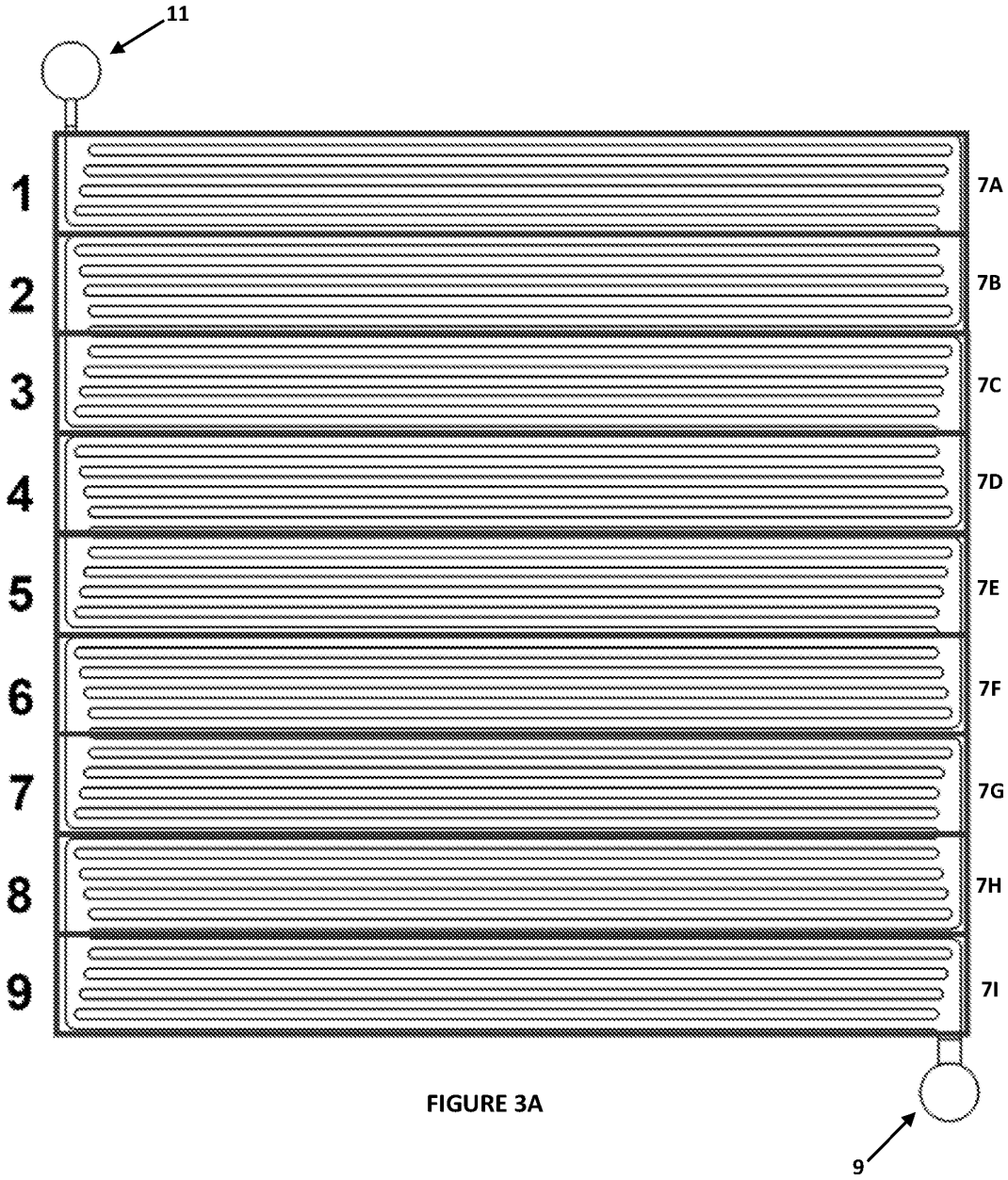


FIGURE 3A

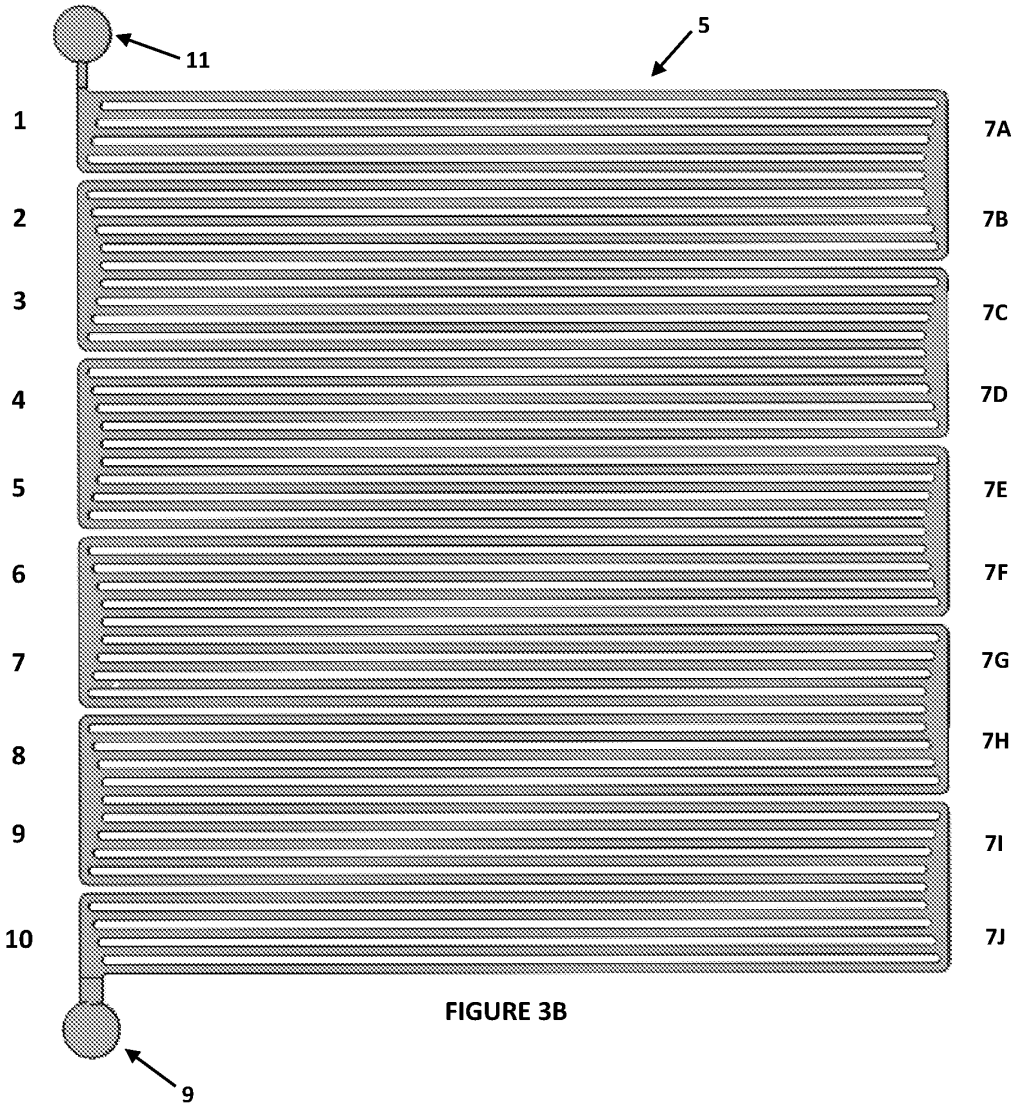


FIGURE 3B

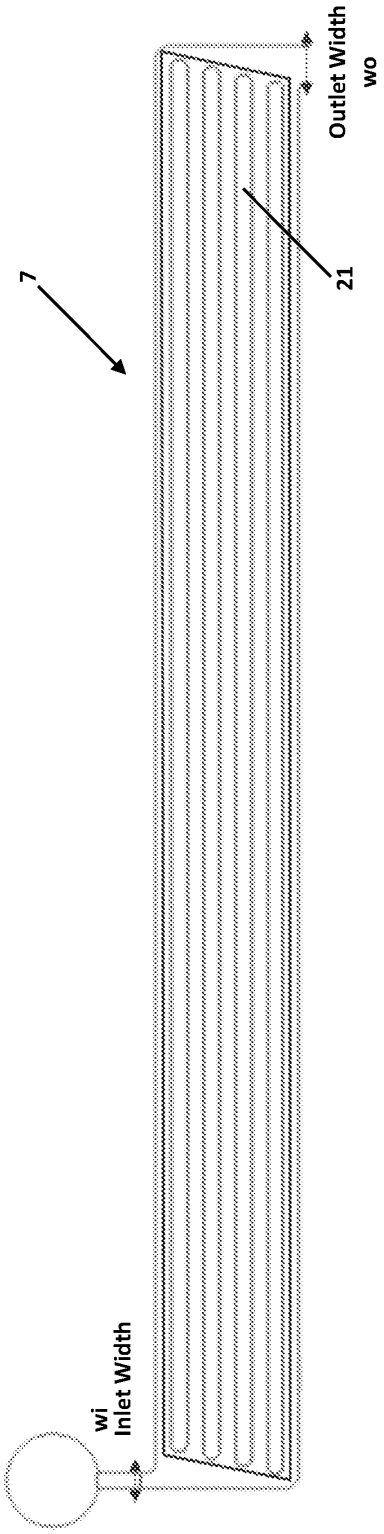


FIGURE 4

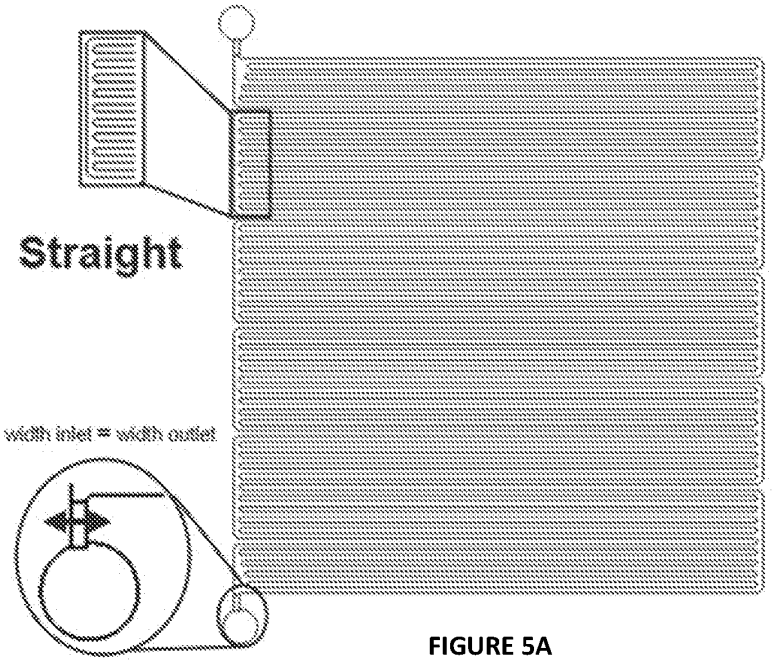


FIGURE 5A

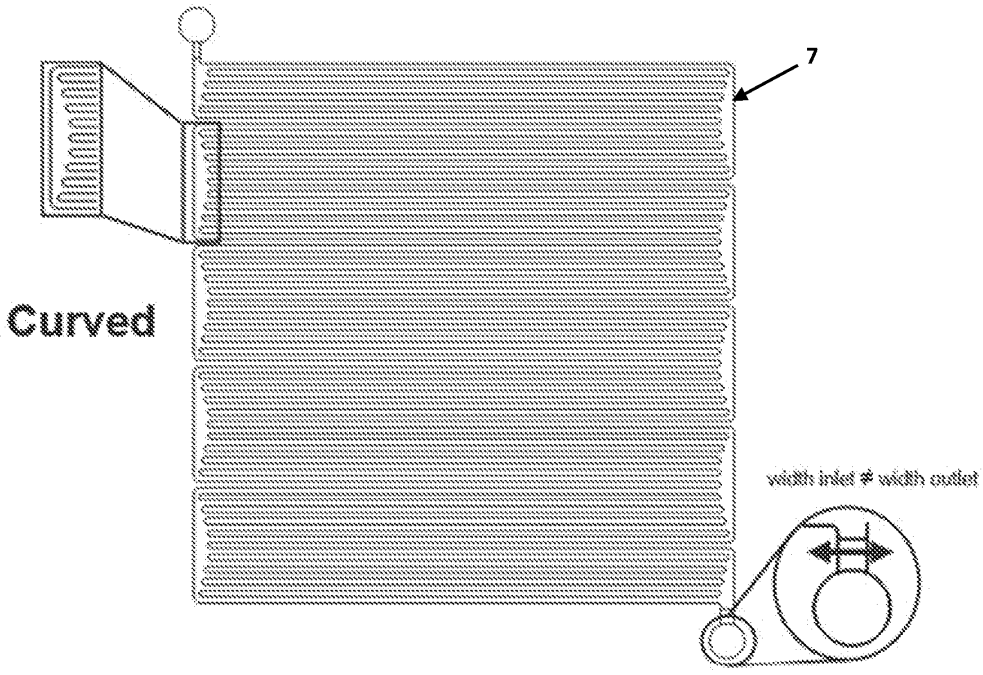


FIGURE 5B

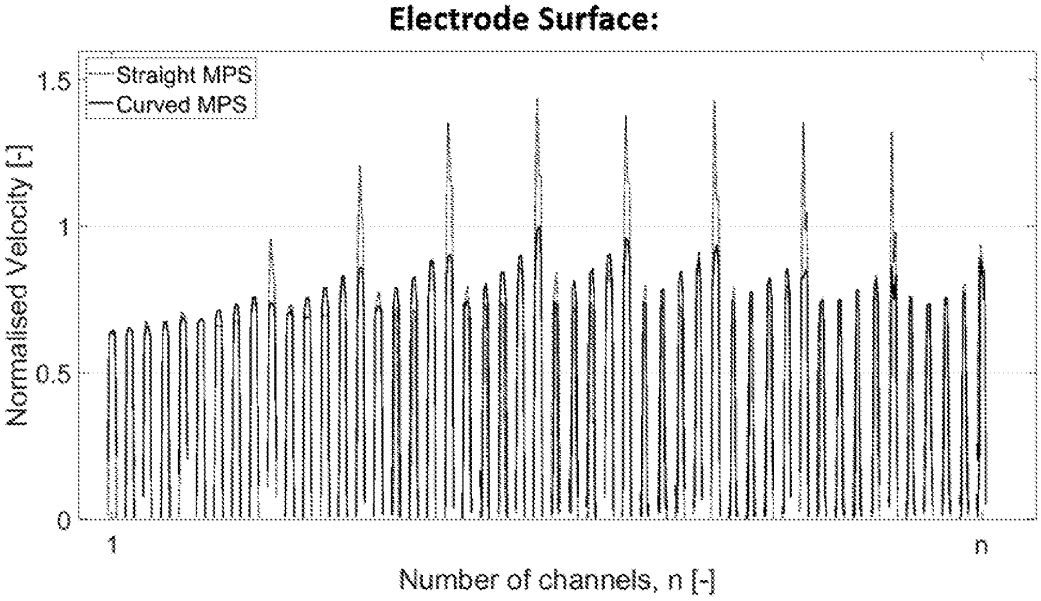


FIGURE 6A

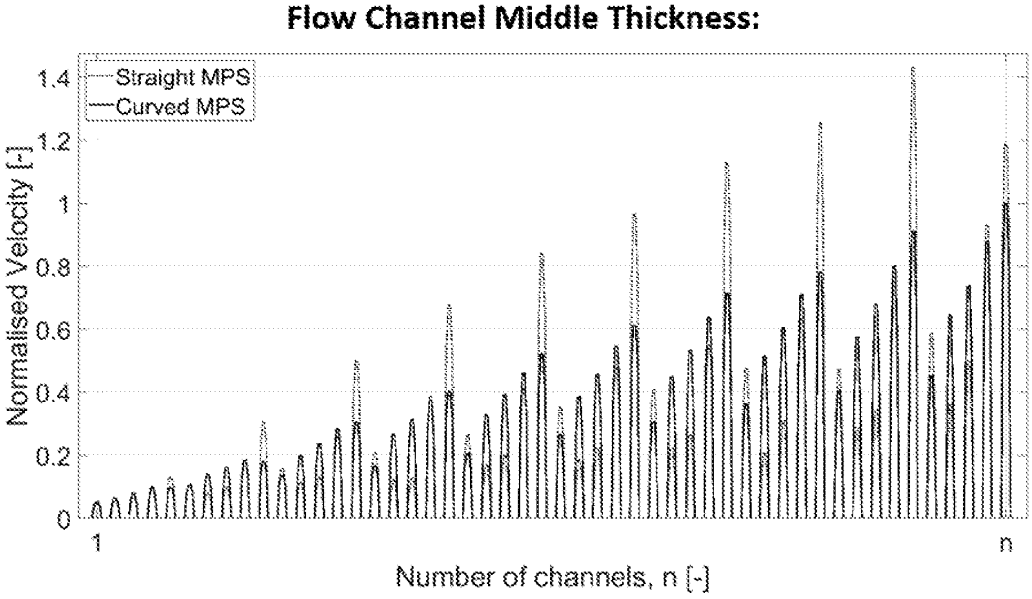


FIGURE 6B

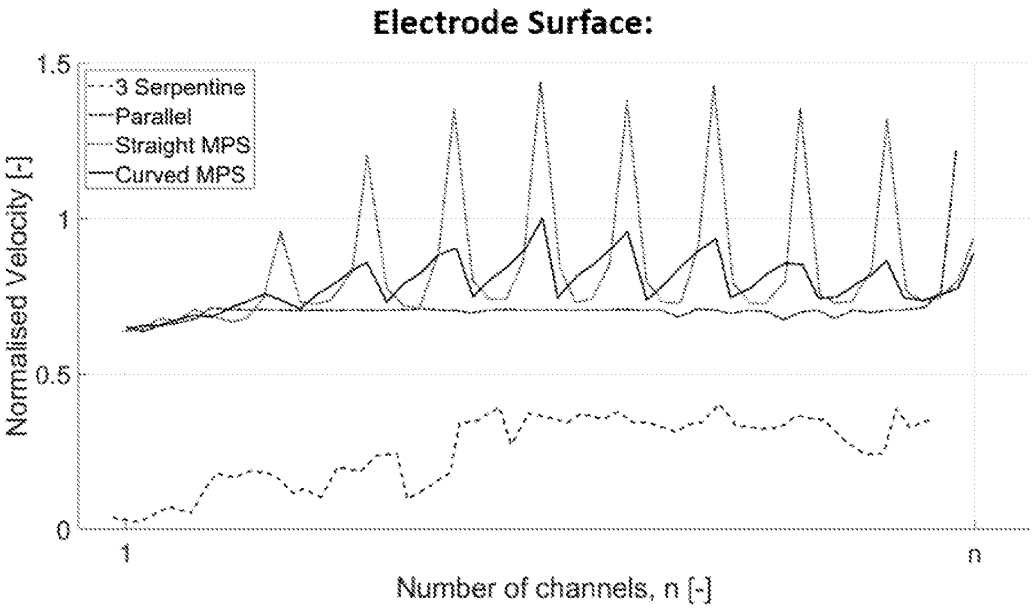


FIGURE 7A

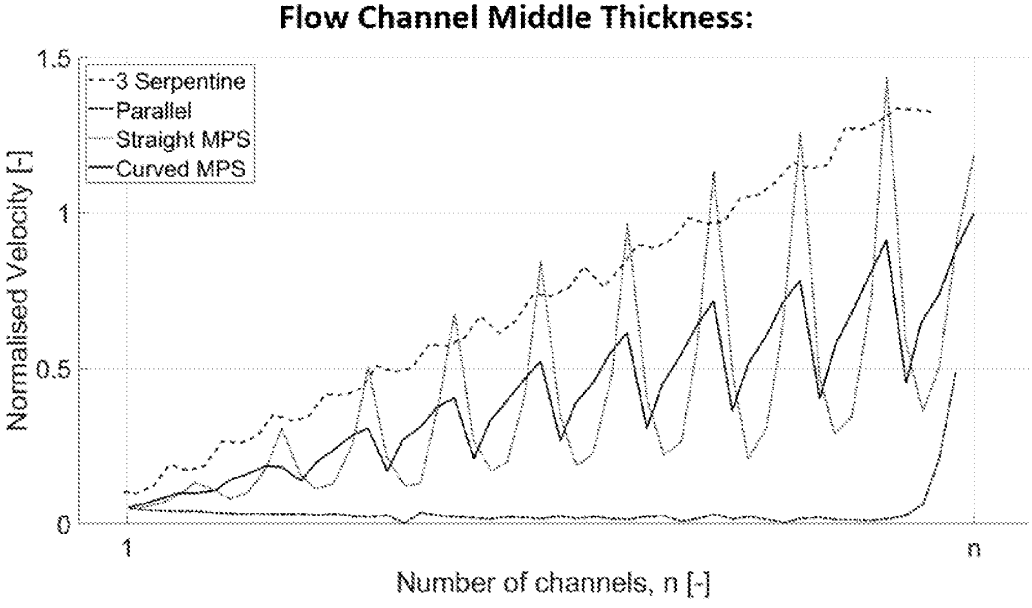


FIGURE 7B

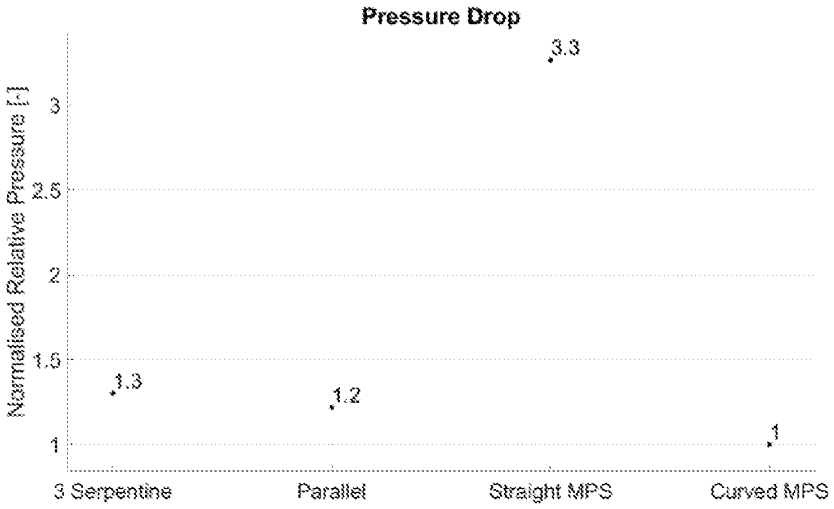


FIGURE 8

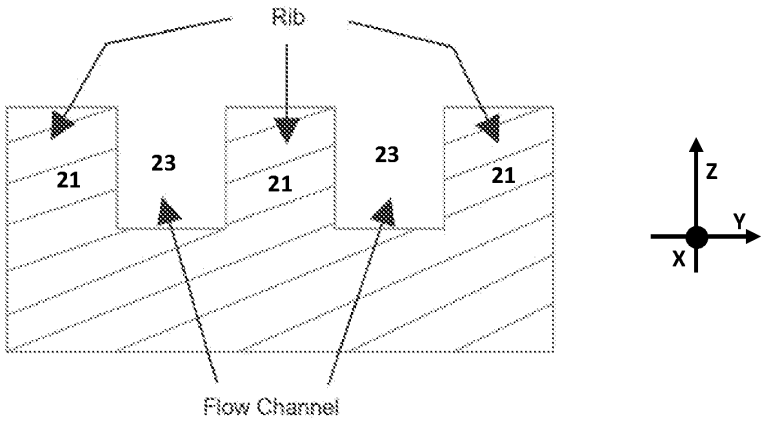


FIGURE 9A

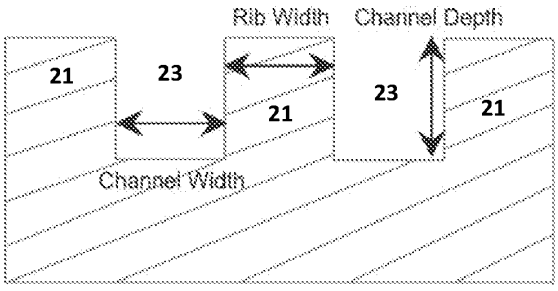


FIGURE 9B

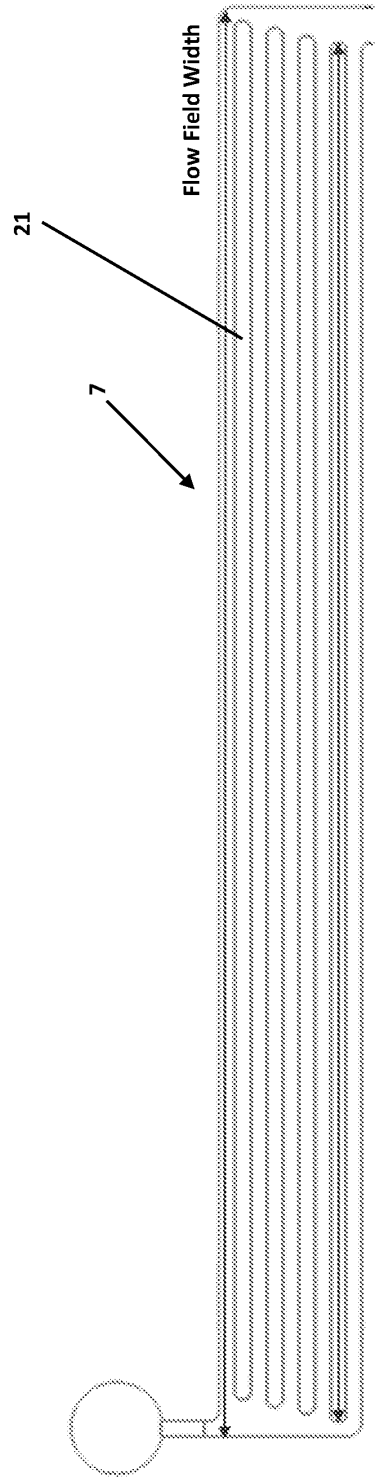


FIGURE 10

$$\mathrm{Re} = \frac{\rho \cdot W \cdot U}{\mu} \begin{cases} \mathrm{Re} < 2300 : \text{laminar flow} \\ 2300 < \mathrm{Re} < 4000 : \text{unstable flow} \\ \mathrm{Re} > 4000 : \text{turbulent flow} \end{cases}$$

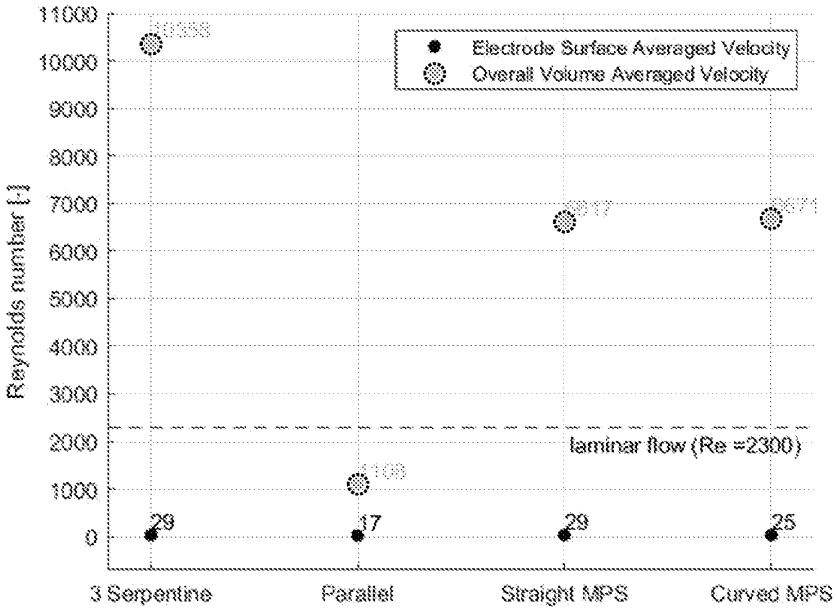


FIGURE 11

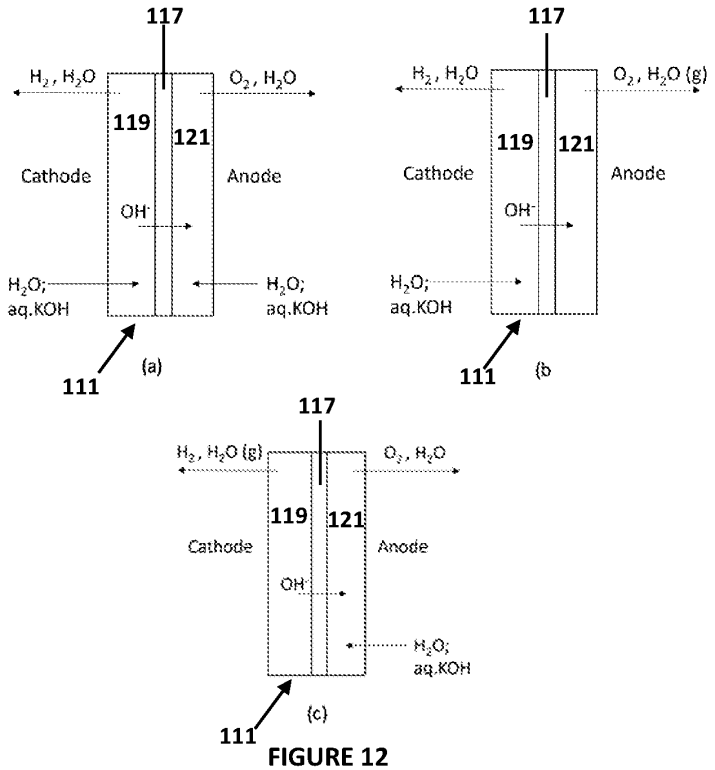


FIGURE 12

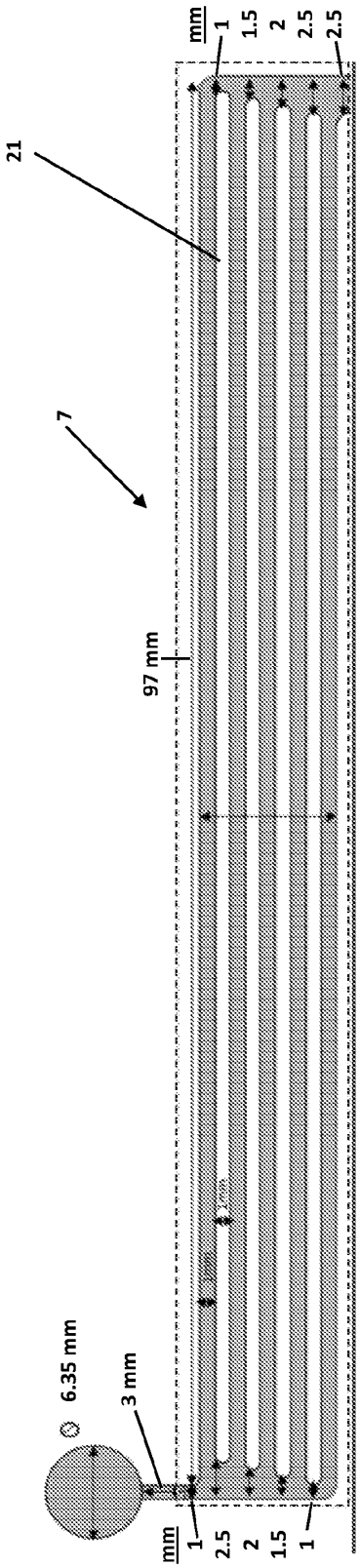


FIGURE 13

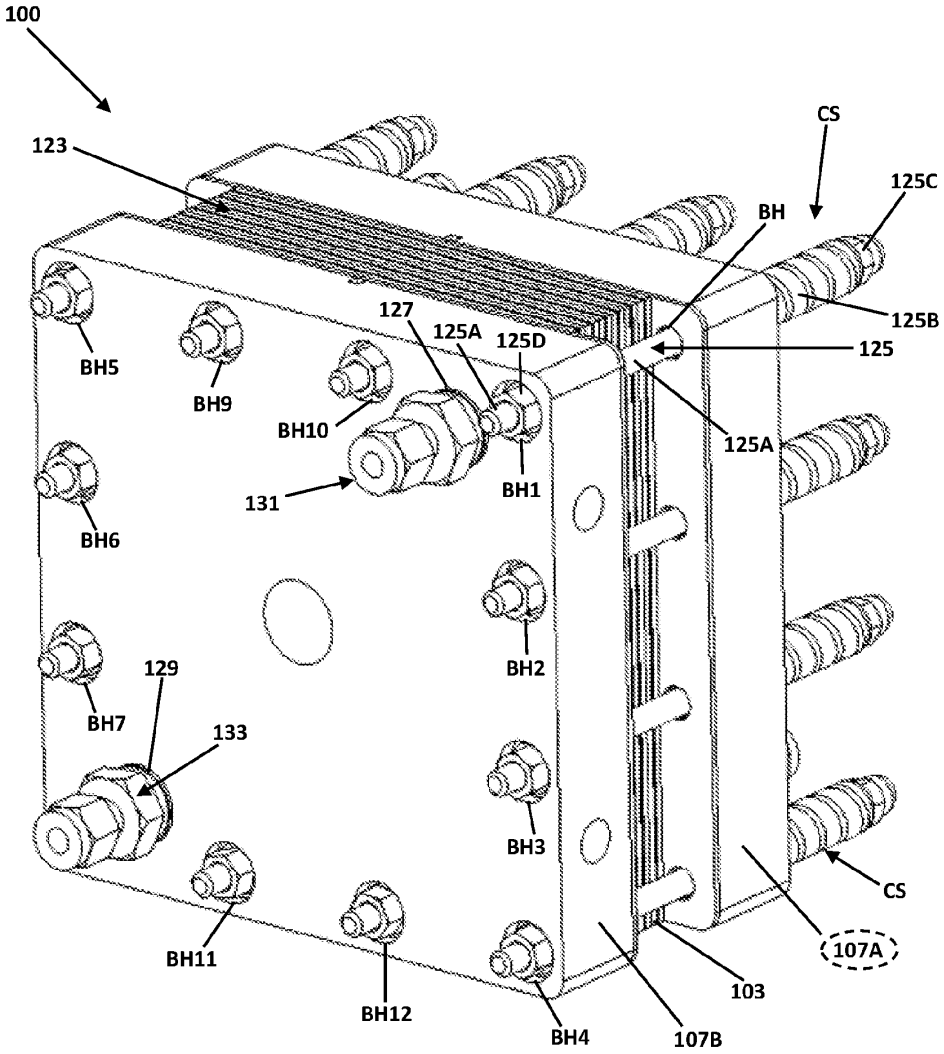

100
123
CS
125C
BH
125B
125
125A
127
125A
125D
BH5
BH9
BH10
BH1
131
BH6
BH2
BH7
129
133
BH3
CS
107A
BH11
BH12
BH4
107B
103

FIGURE 14A

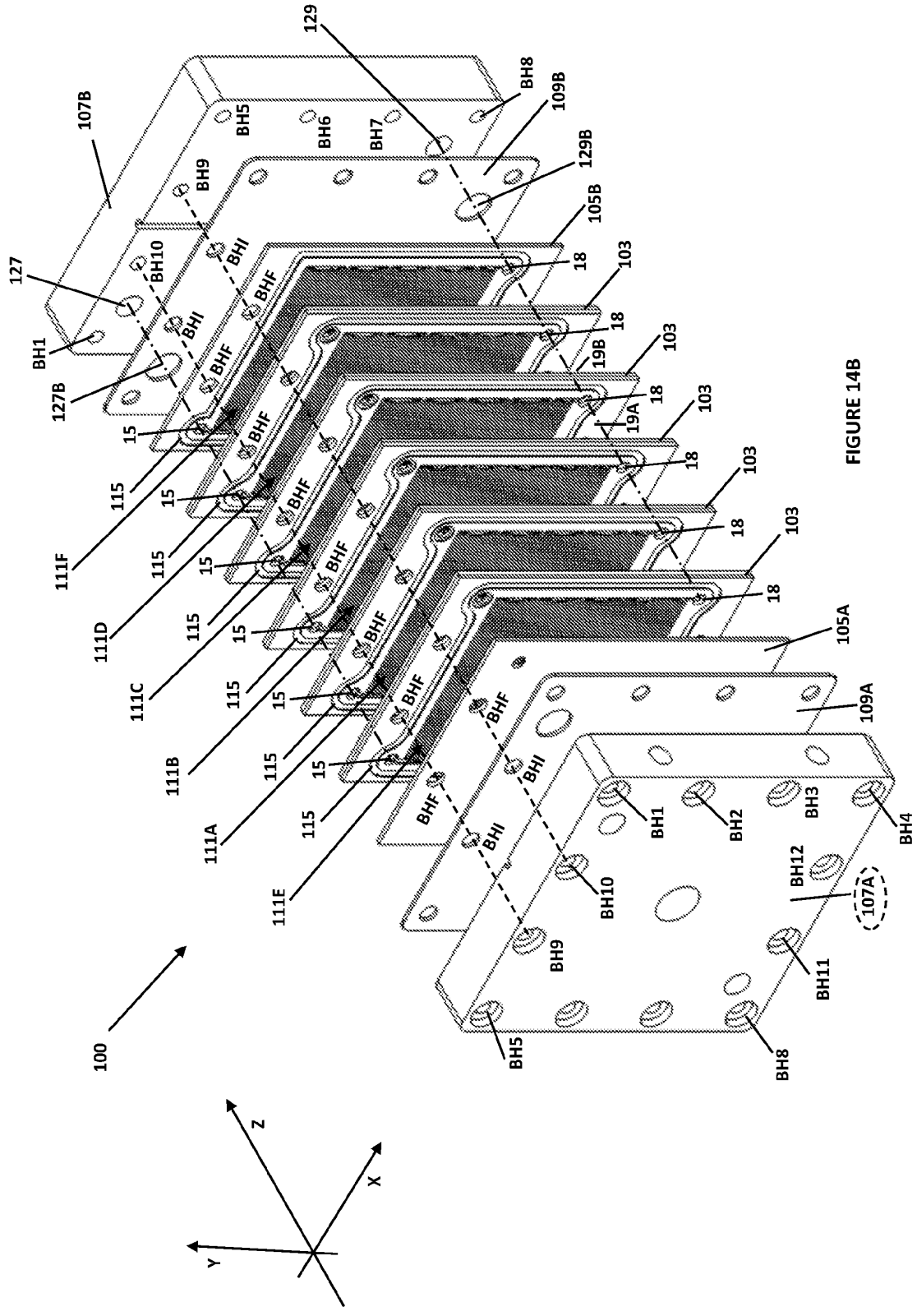

129
107B
BH5
BH6
BH7
BH8
109B
129B
105B
BH9
BH10
BHI
BHF
127
BH1
127B
15
115
111F
111D
111C
111B
111A
111E
18
103
19B
19A
105A
109A
BH2
BH3
BH4
BH11
BH12
107A
100
Z
X
Y

FIGURE 14B

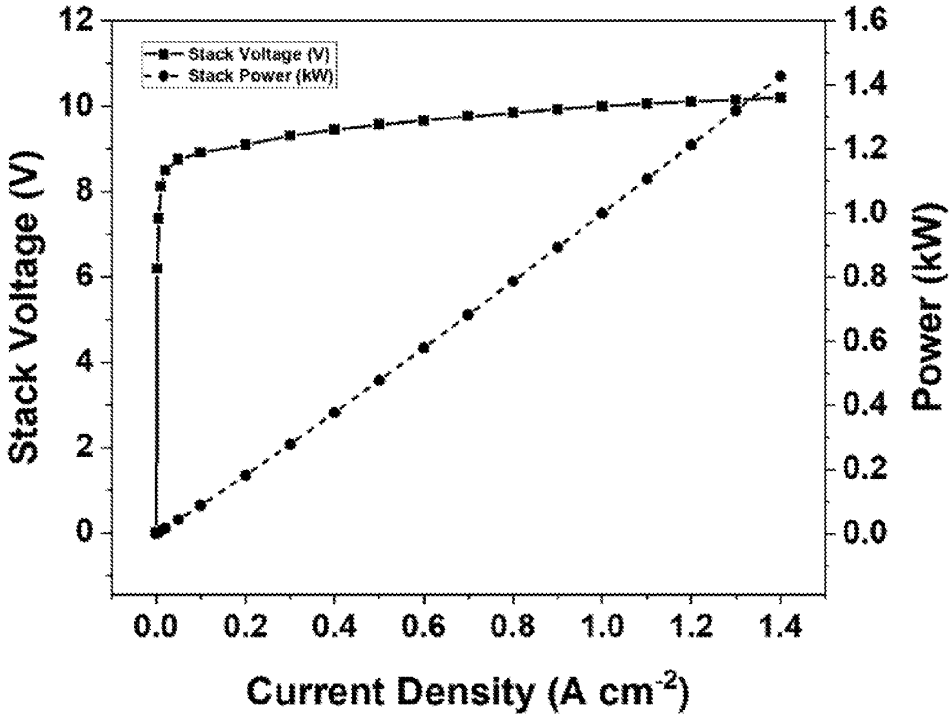


FIGURE 15

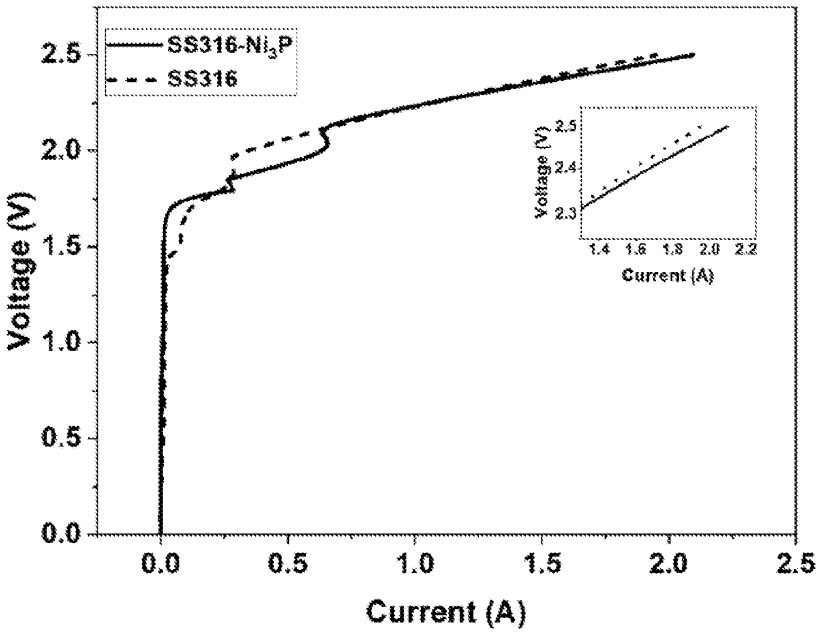


FIGURE 16

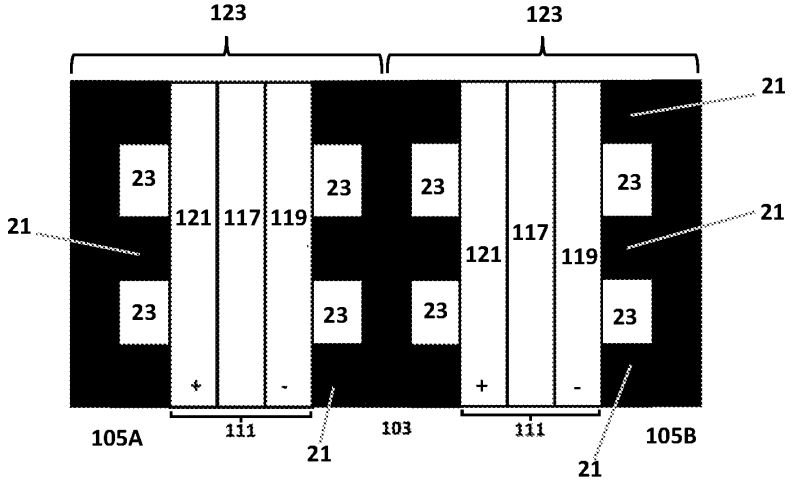


FIGURE 17A

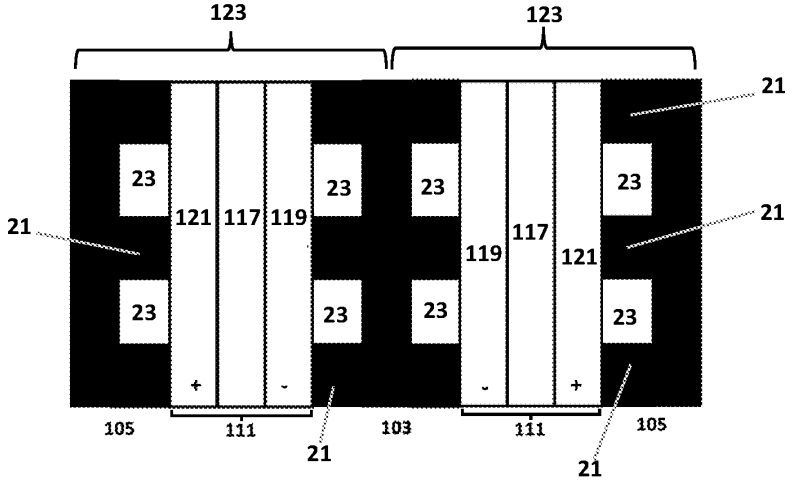


FIGURE 17B