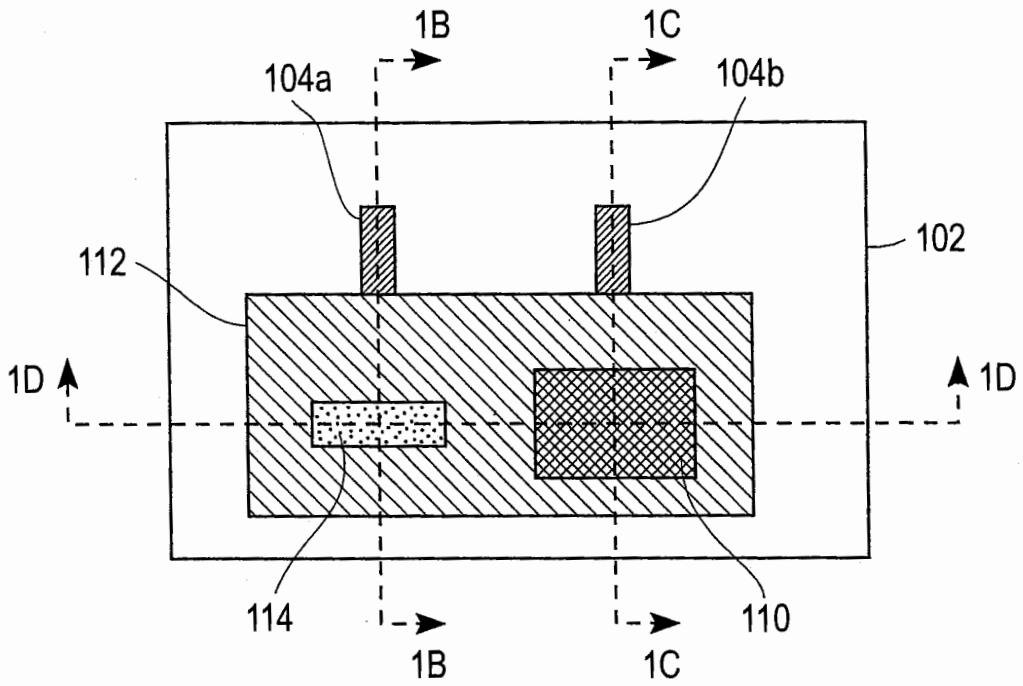


FIG. 1A

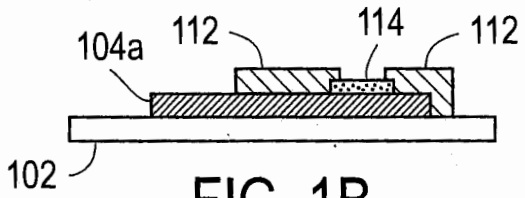


FIG. 1B

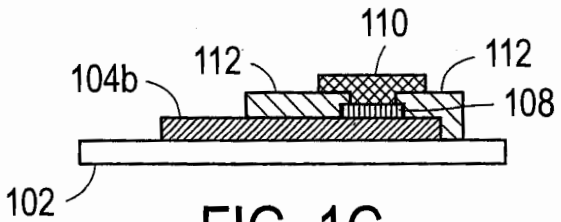


FIG. 1C

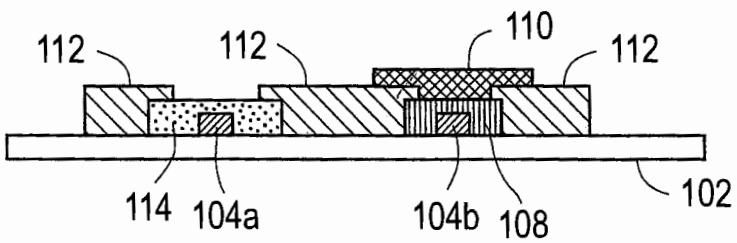


FIG. 1D

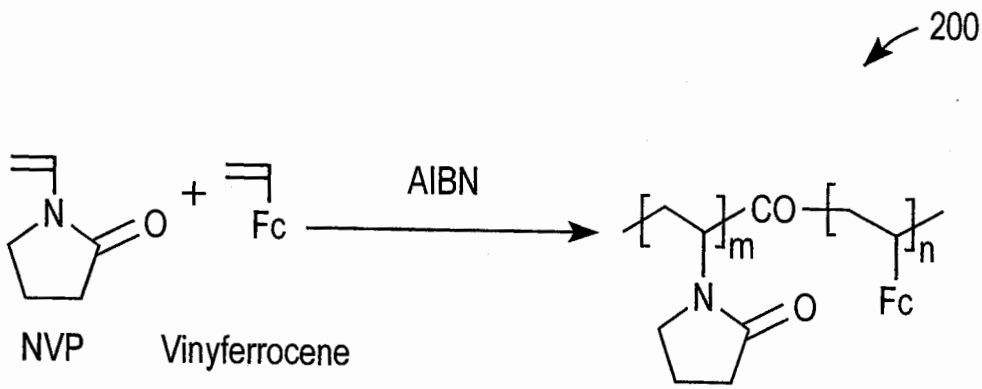


FIG. 2

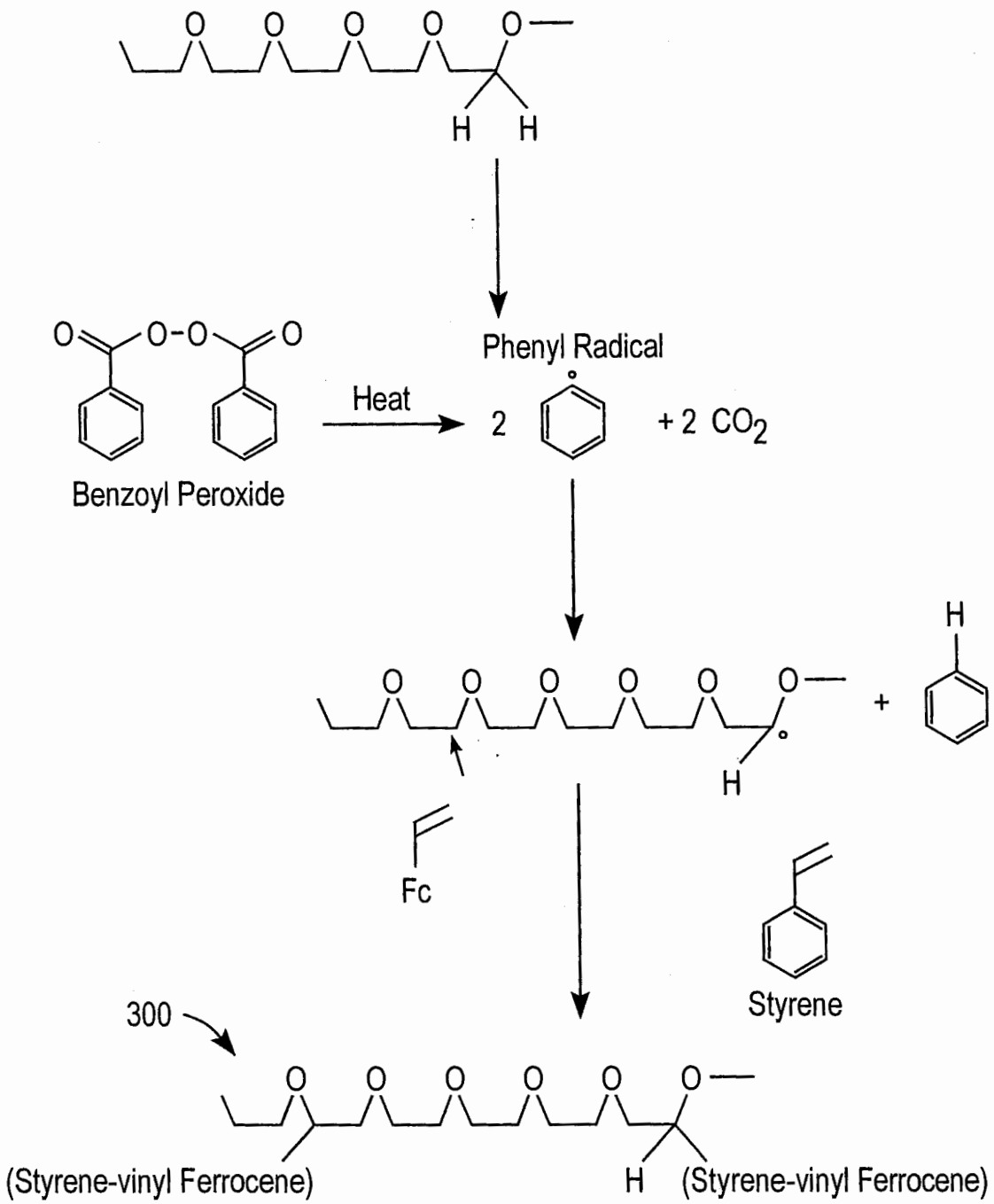

Phenyl Radical
Heat
2
+ 2 CO_2
Benzoyl Peroxide
H
+
Fc
Styrene
300
(Styrene-vinyl Ferrocene)
H
(Styrene-vinyl Ferrocene)

FIG. 3

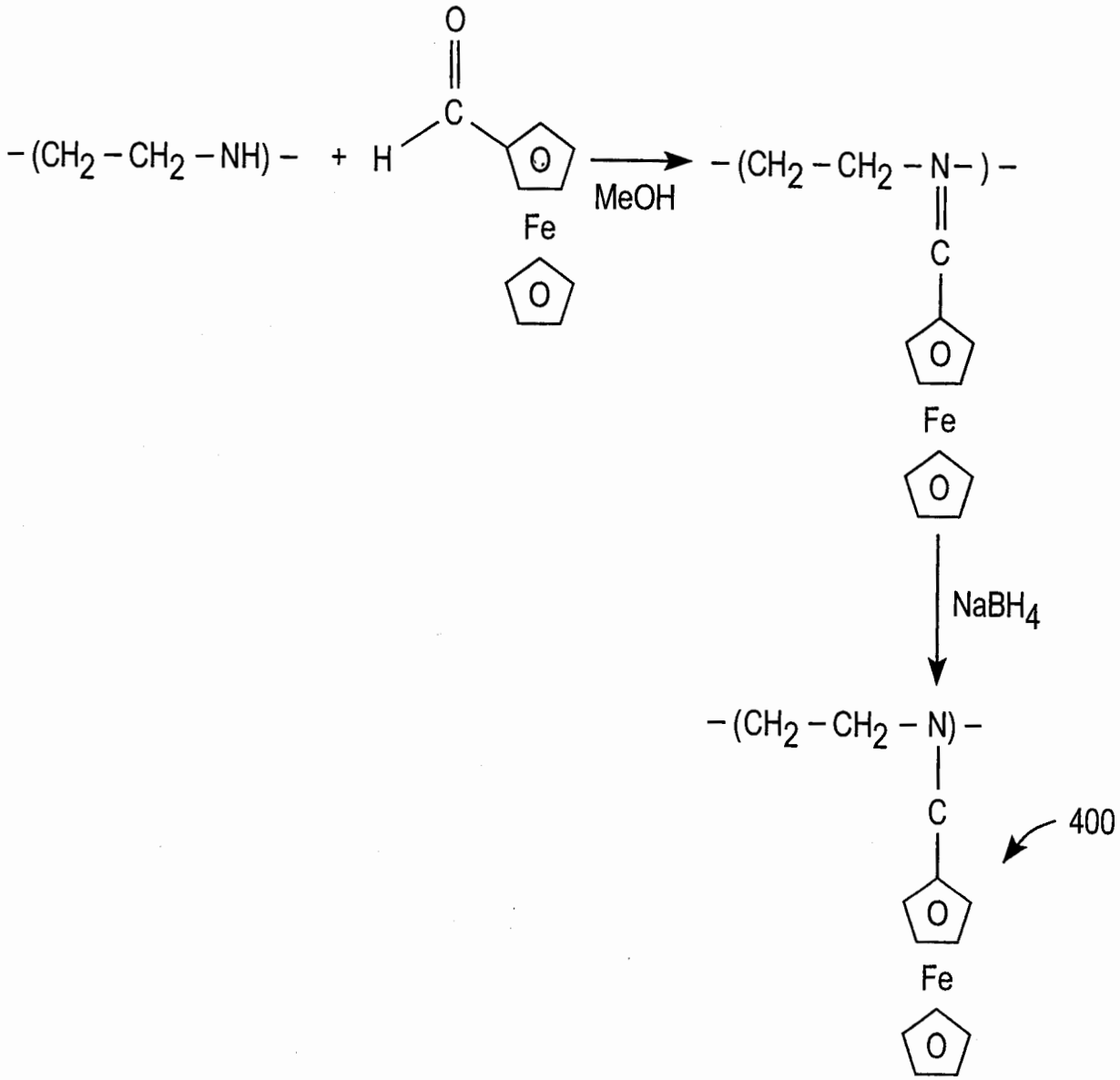


FIG. 4

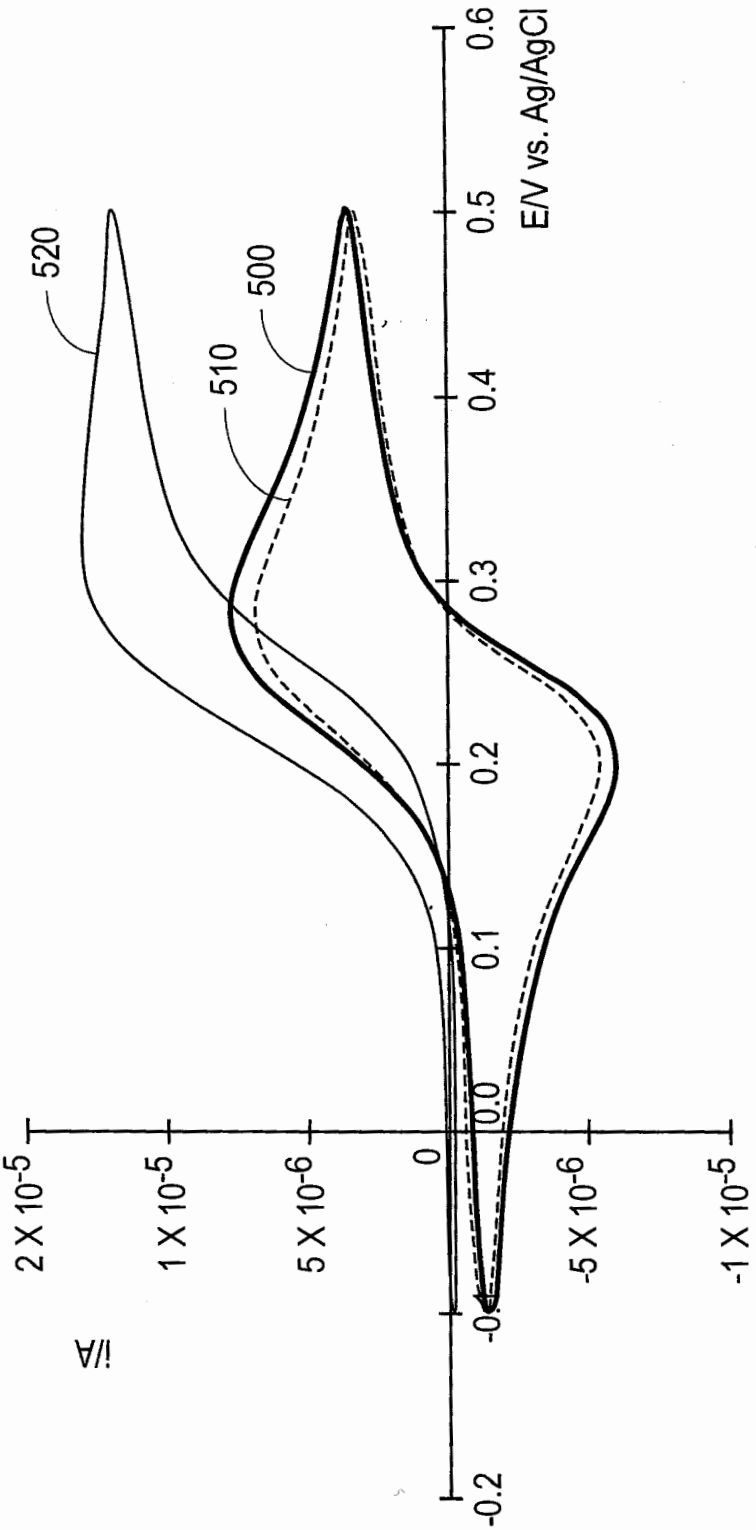

520
510
500
E/V vs. Ag/AgCl
0.6
0.5
0.4
0.3
0.2
0.1
0.0
-0.2
2 X 10-5
1 X 10-5
5 X 10-6
0
-5 X 10-6
-1 X 10-5
i/A

FIG. 5

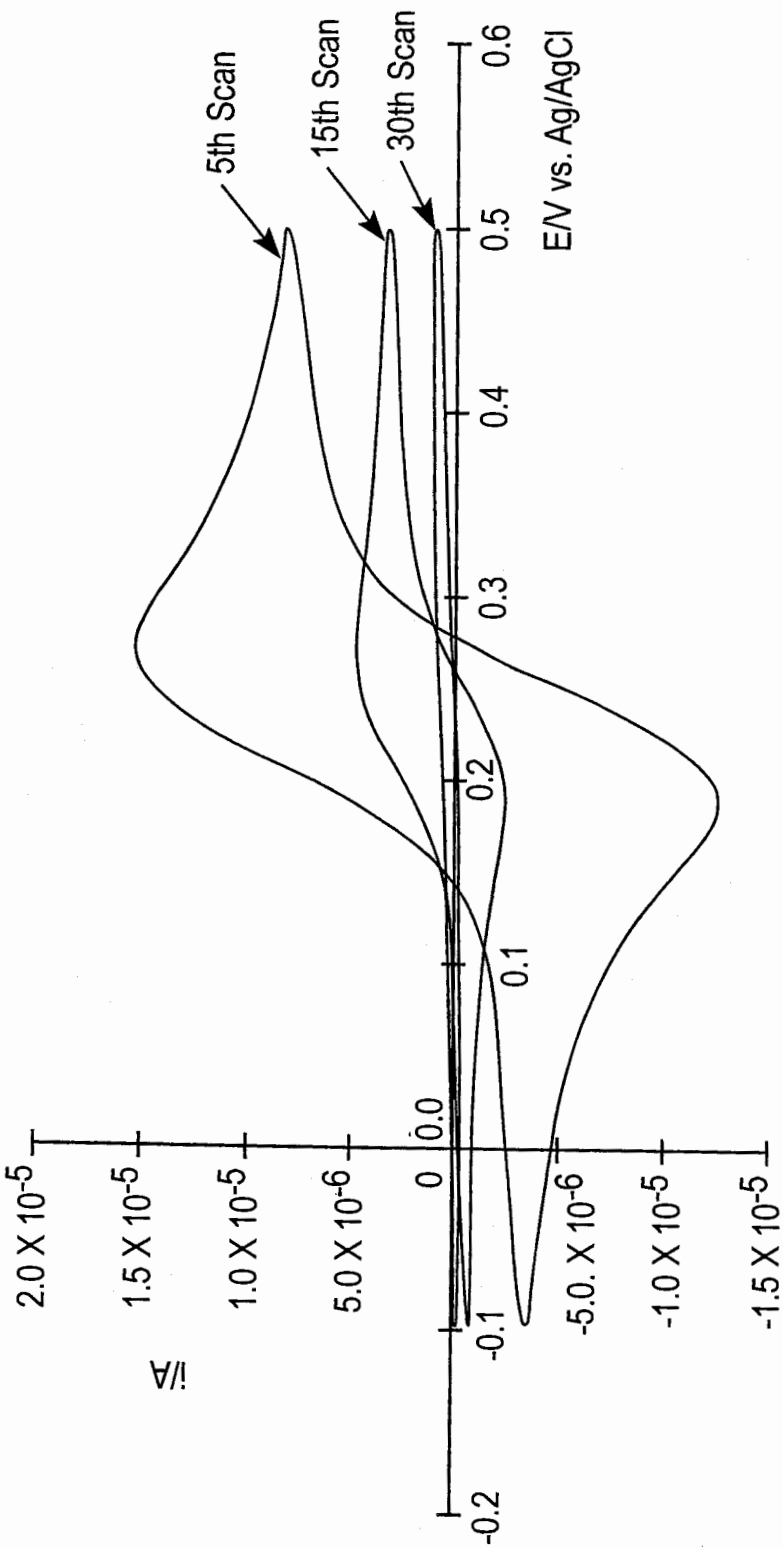

5th Scan
15th Scan
30th Scan
E/V vs. Ag/AgCl
i/A
2.0 X 10-5
1.5 X 10-5
1.0 X 10-5
5.0 X 10-6
0
-5.0. X 10-6
-1.0 X 10-5
-1.5 X 10-5
-0.2
-0.1
0.0
0.1
0.2
0.3
0.4
0.5
0.6

FIG. 6

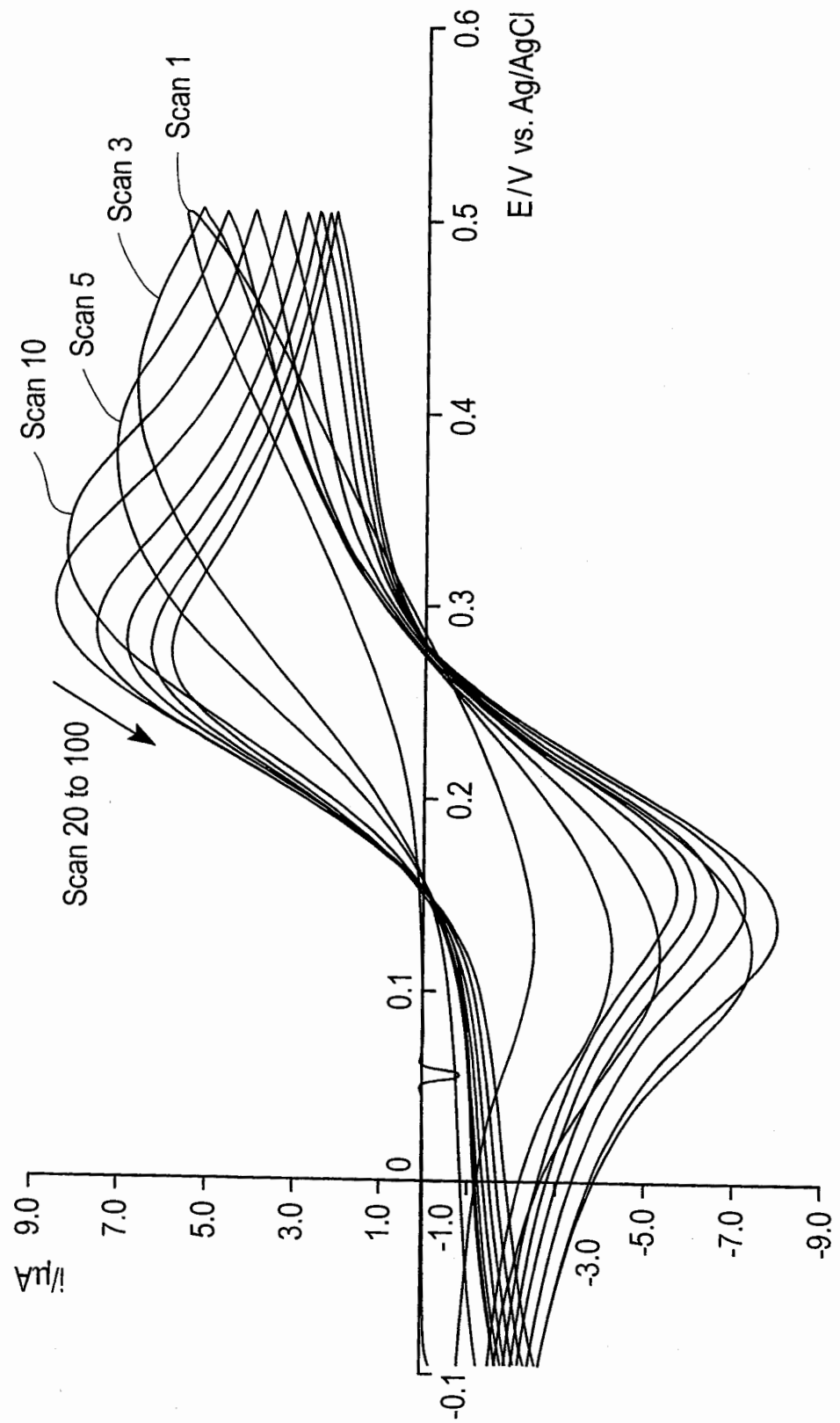

Scan 1
Scan 3
Scan 5
Scan 10
Scan 20 to 100
E / V vs. Ag/AgCl
i/μA
9.0
7.0
5.0
3.0
1.0
-1.0
-3.0
-5.0
-7.0
-9.0
-0.1
0
0.1
0.2
0.3
0.4
0.5
0.6

FIG. 7

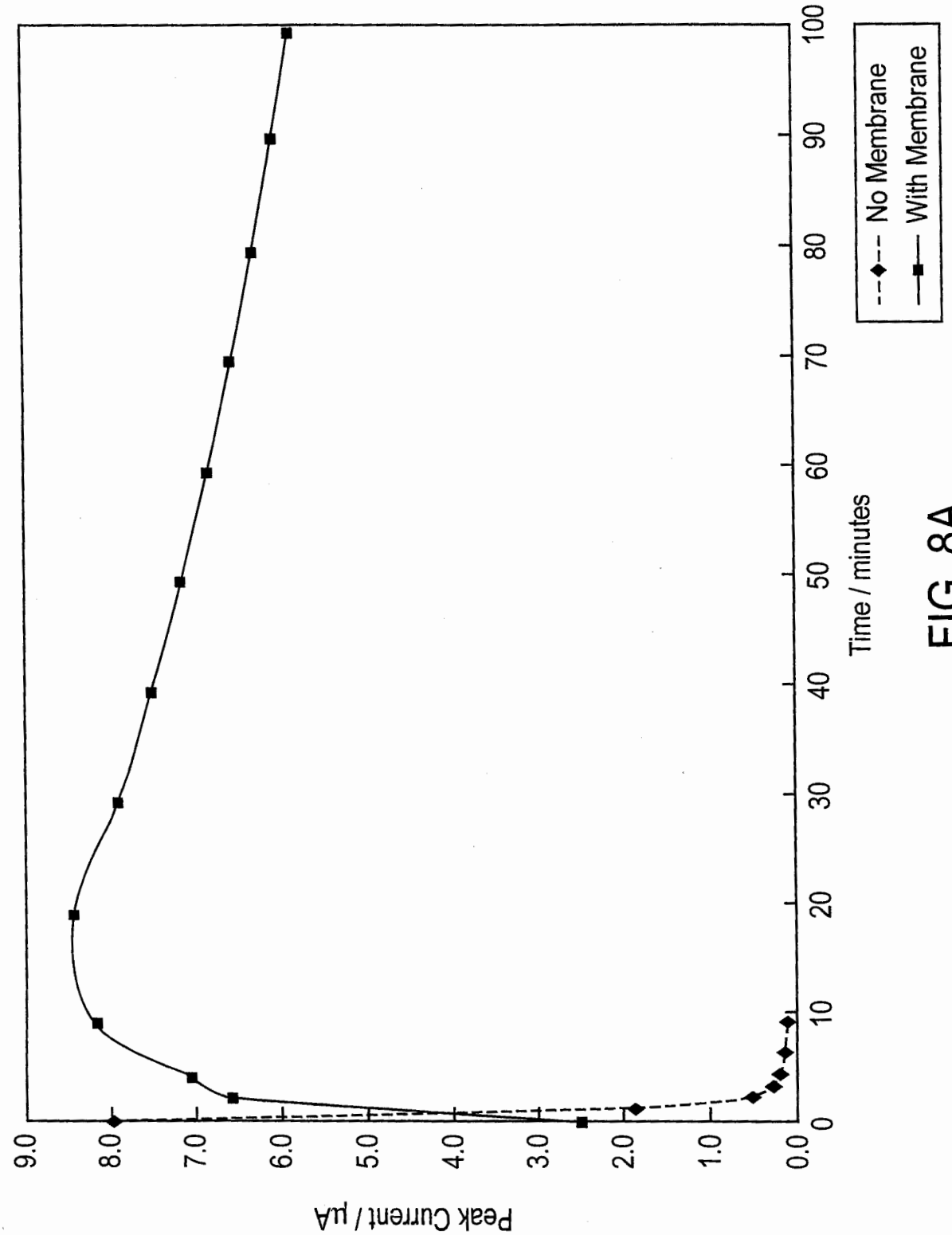

Peak Current / µA
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
0
10
20
30
40
50
60
70
80
90
100
Time / minutes
No Membrane
With Membrane

FIG. 8A

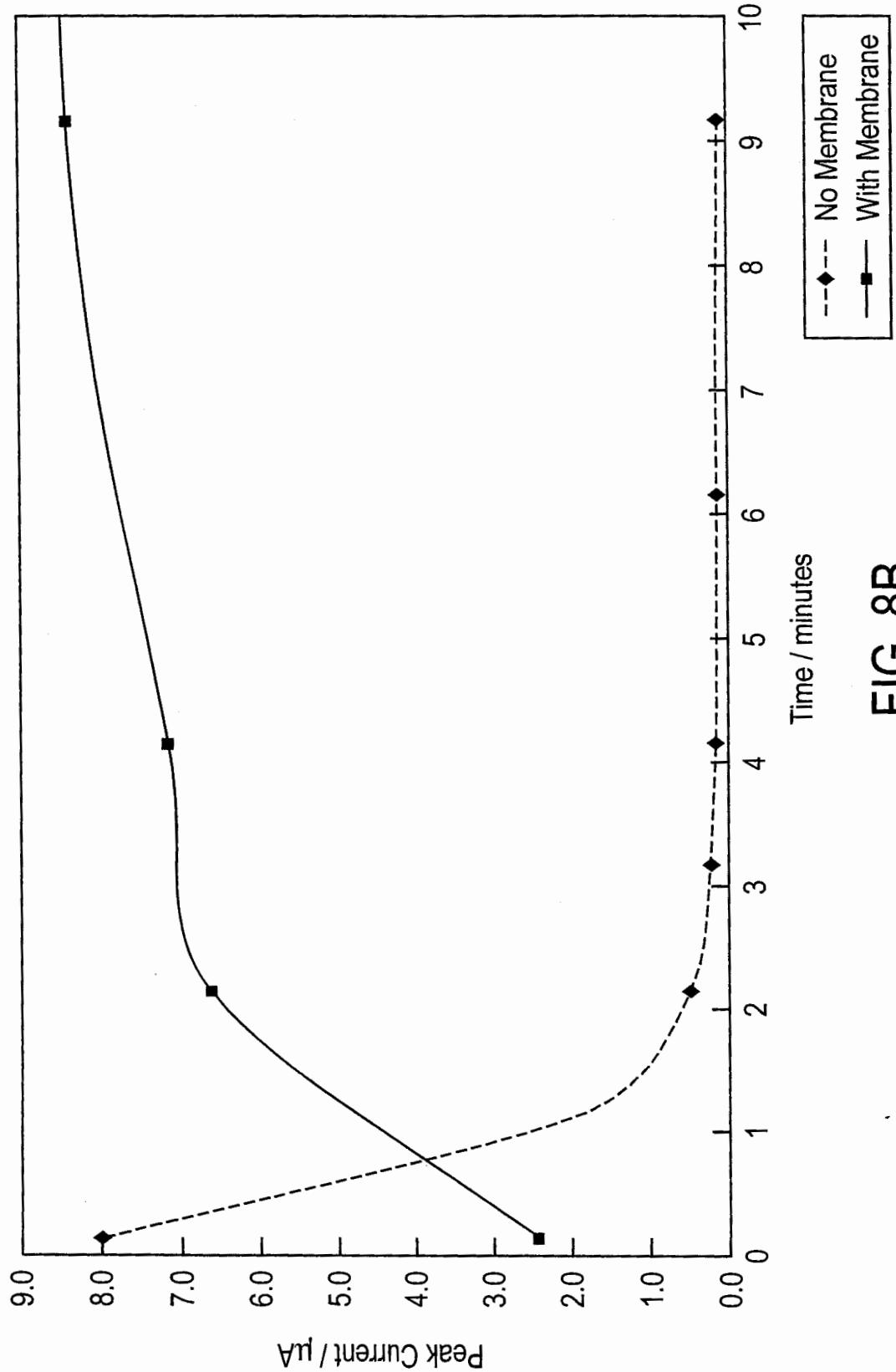

Peak Current / μA
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
0
1
2
3
4
5
6
7
8
9
10
Time / minutes
No Membrane
With Membrane

FIG. 8B