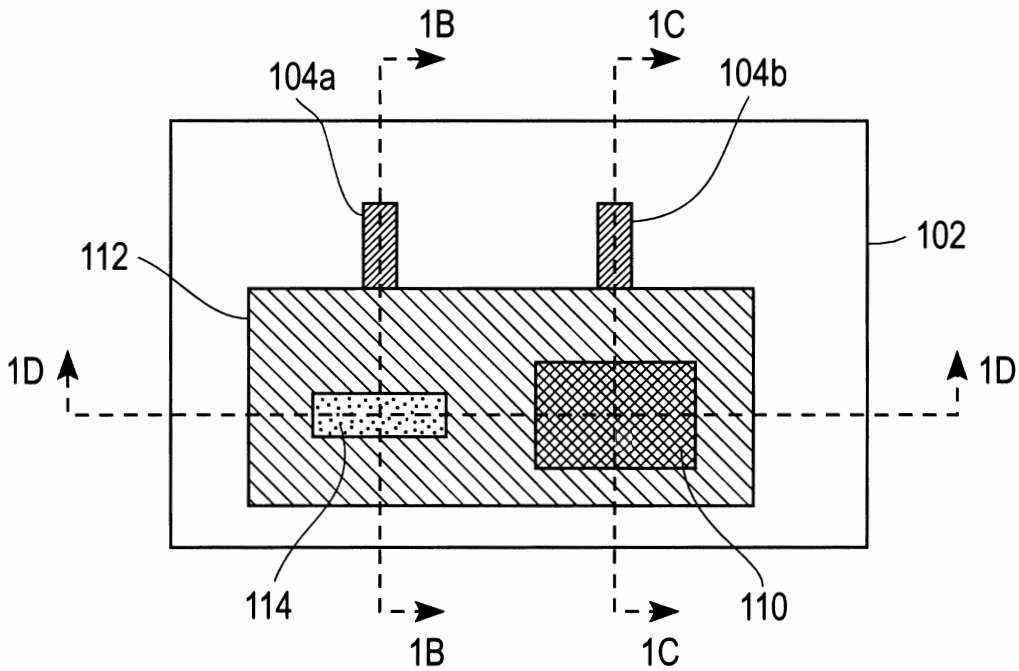


FIG. 1A

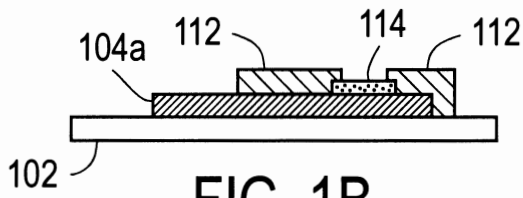


FIG. 1B

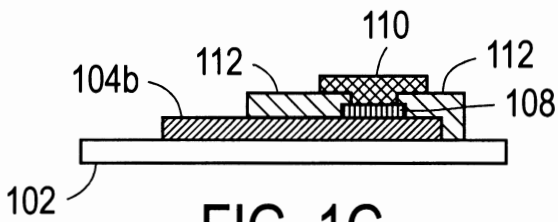


FIG. 1C

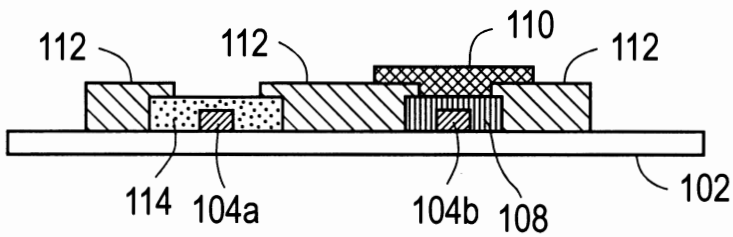


FIG. 1D

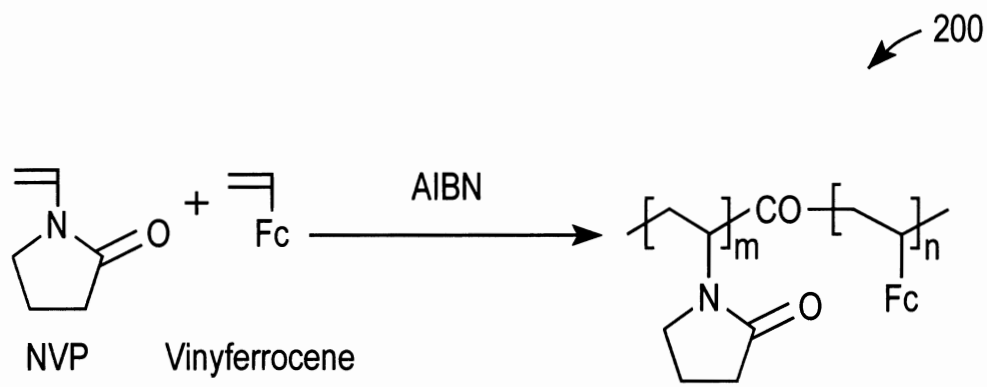


FIG. 2

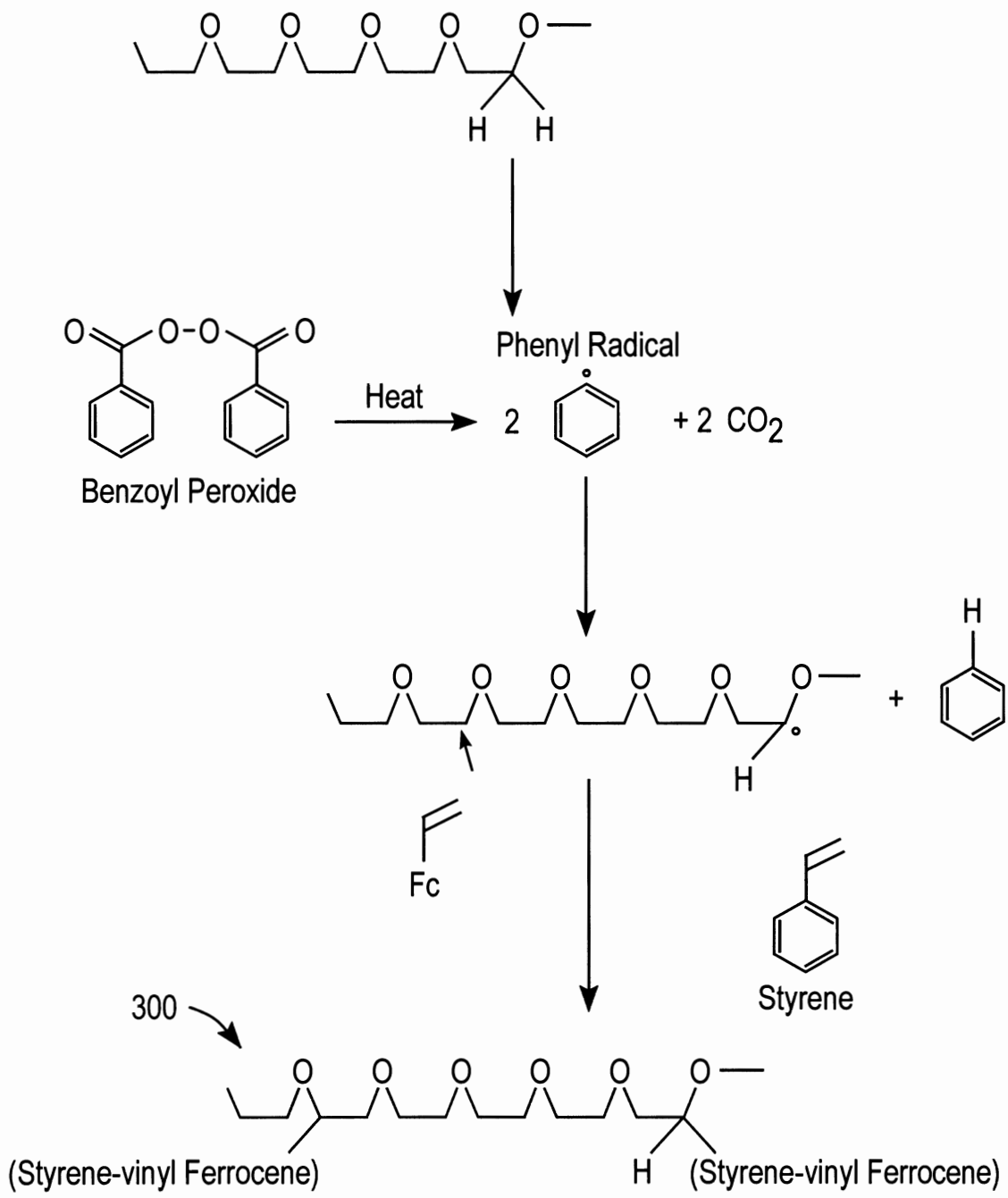

Phenyl Radical
Heat
2
+ 2 CO_2
Benzoyl Peroxide
+
Fc
Styrene
300
(Styrene-vinyl Ferrocene)
H
(Styrene-vinyl Ferrocene)

FIG. 3

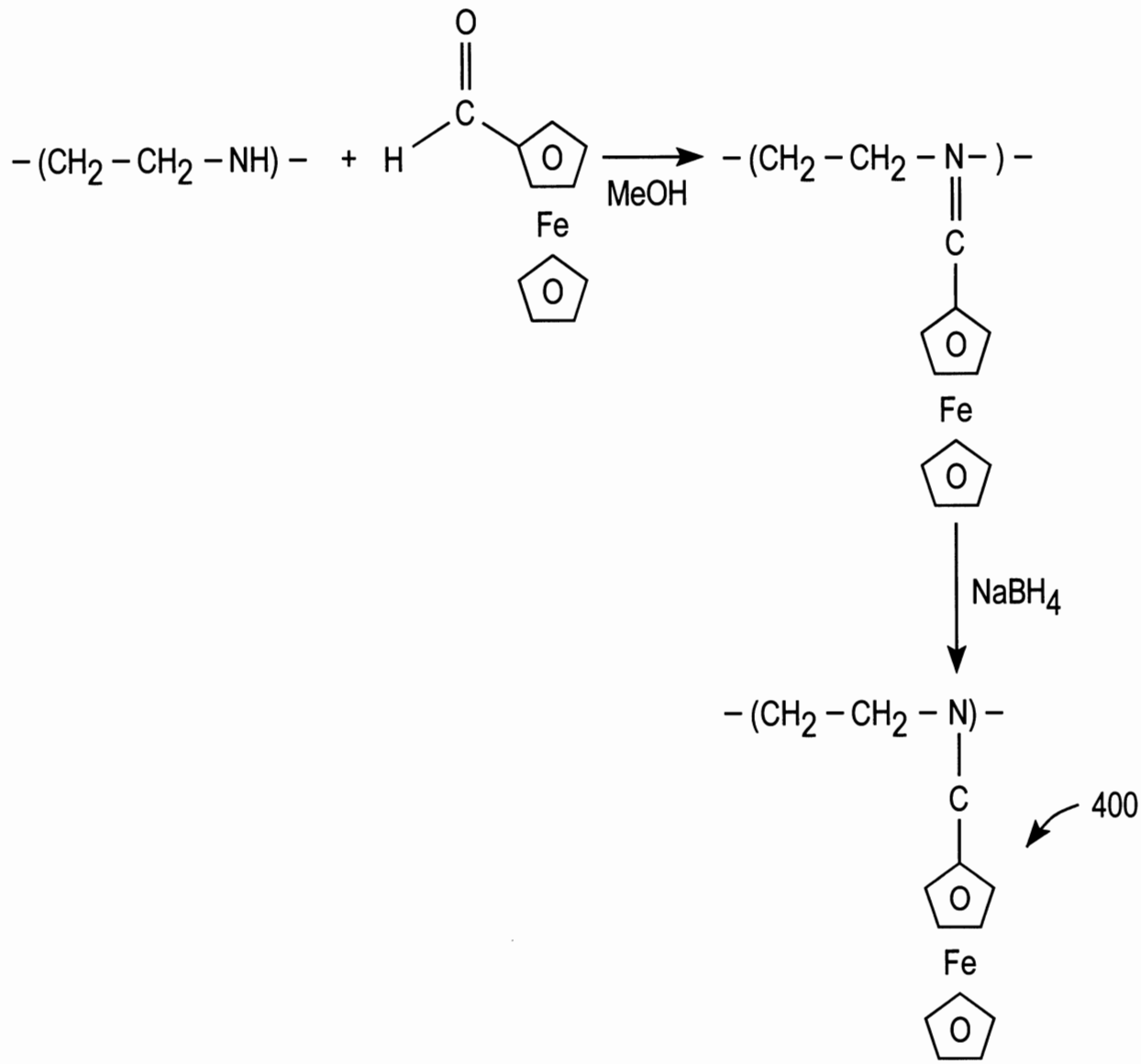

– (CH2 – CH2 – NH) –
+
H
O
C
O
Fe
O
MeOH
– (CH2 – CH2 – N–) –
C
O
Fe
O
NaBH4
– (CH2 – CH2 – N) –
C
400
O
Fe
O

FIG. 4

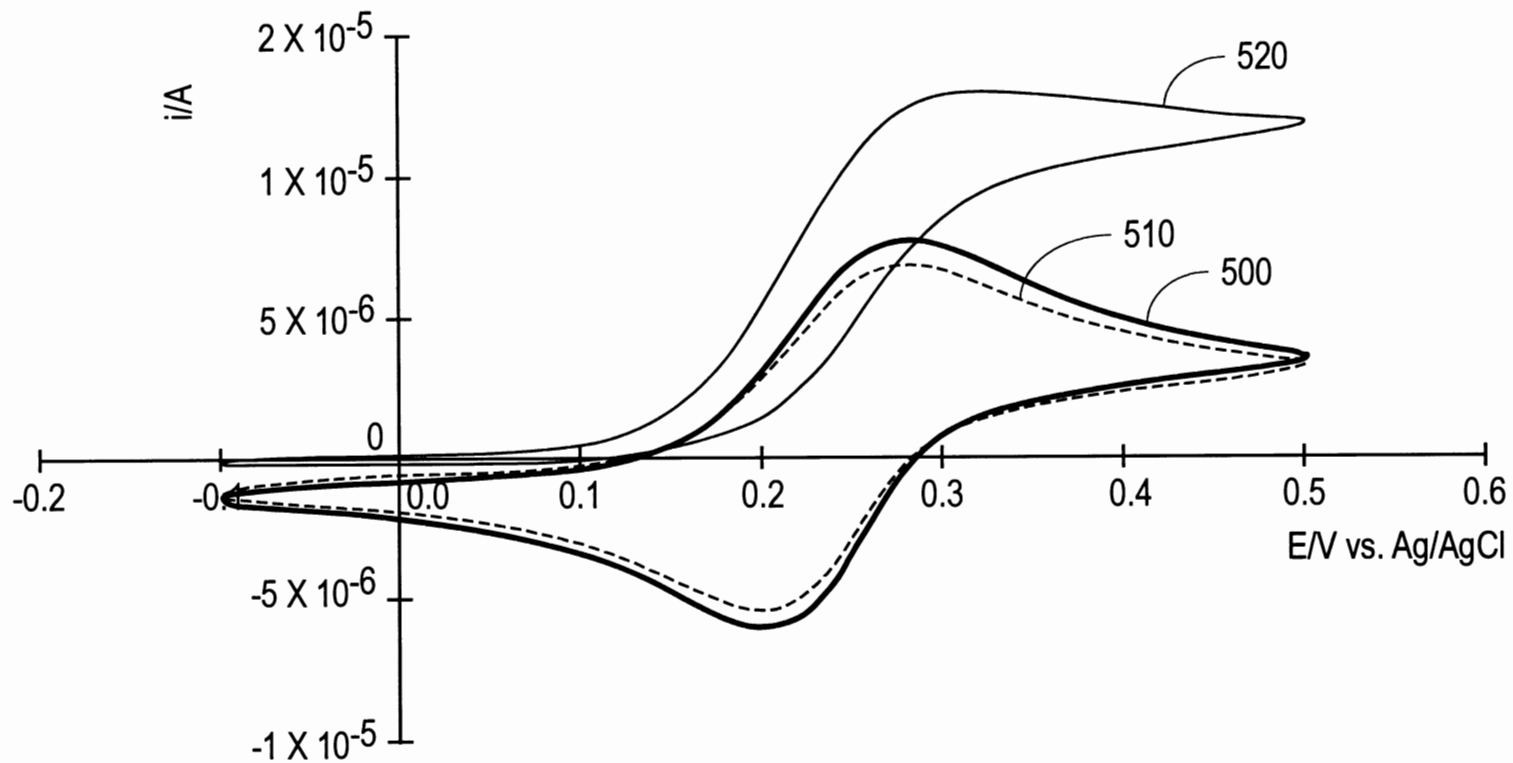

2 X 10-5
i/A
1 X 10-5
5 X 10-6
0
-5 X 10-6
-1 X 10-5
-0.2
0.0
0.1
0.2
0.3
0.4
0.5
0.6
E/V vs. Ag/AgCl
520
510
500

FIG. 5

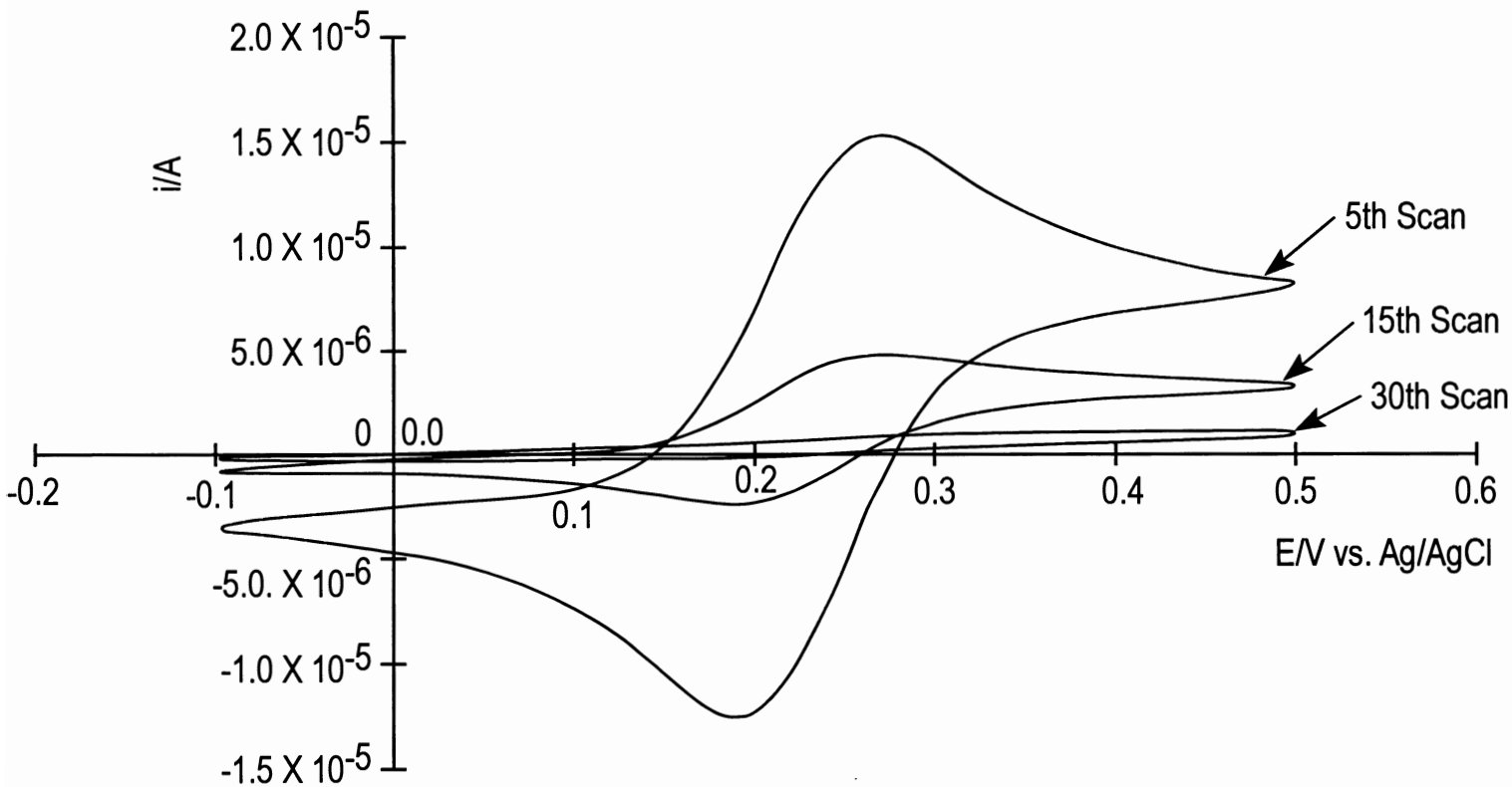

2.0 X 10-5
1.5 X 10-5
1.0 X 10-5
5.0 X 10-6
0
0.0
-5.0. X 10-6
-1.0 X 10-5
-1.5 X 10-5
i/A
-0.2
-0.1
0.1
0.2
0.3
0.4
0.5
0.6
E/V vs. Ag/AgCl
5th Scan
15th Scan
30th Scan

FIG. 6

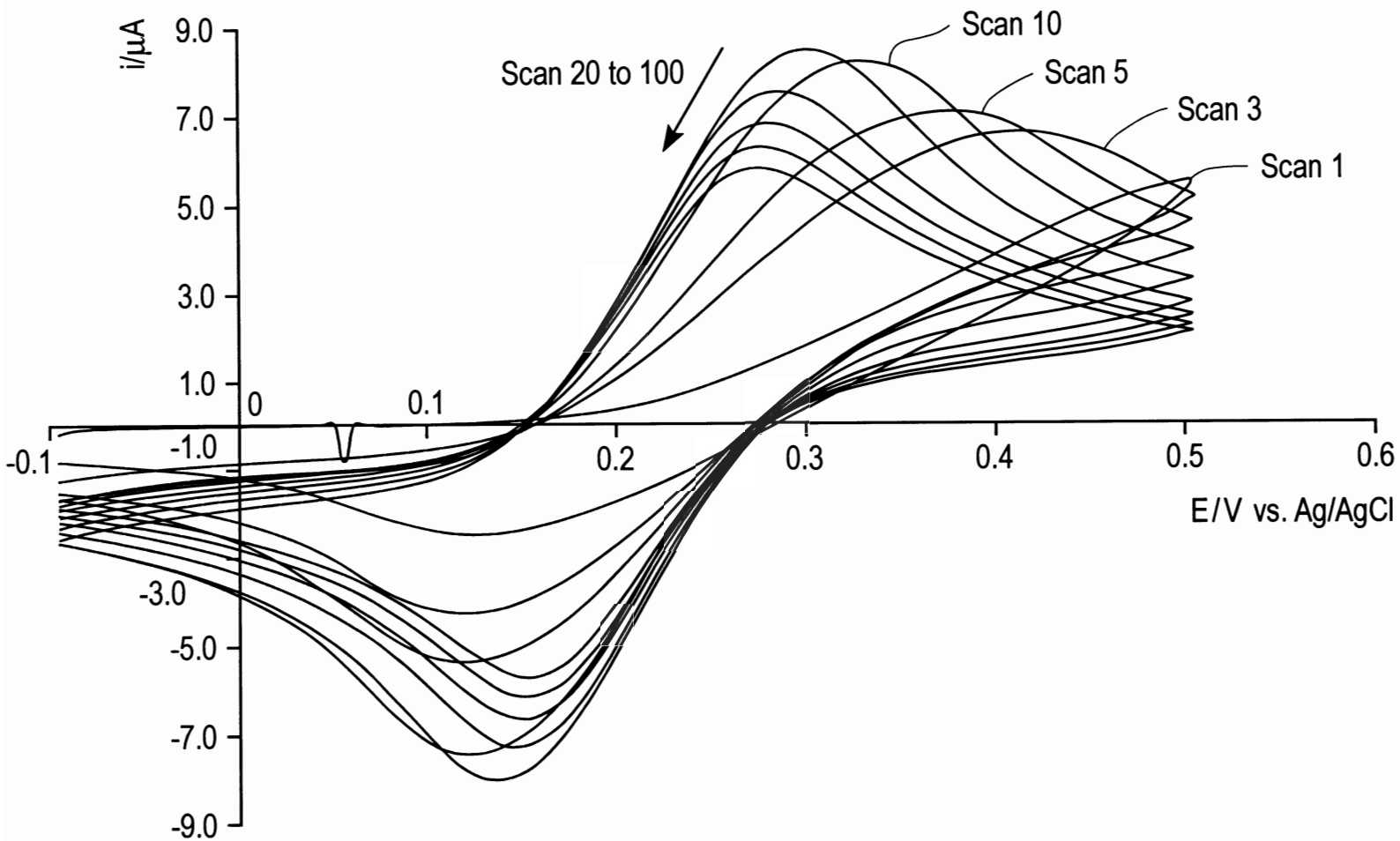

i/μA
9.0
7.0
5.0
3.0
1.0
-1.0
-3.0
-5.0
-7.0
-9.0
-0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
E/V vs. Ag/AgCl
Scan 10
Scan 5
Scan 3
Scan 1
Scan 20 to 100

FIG. 7

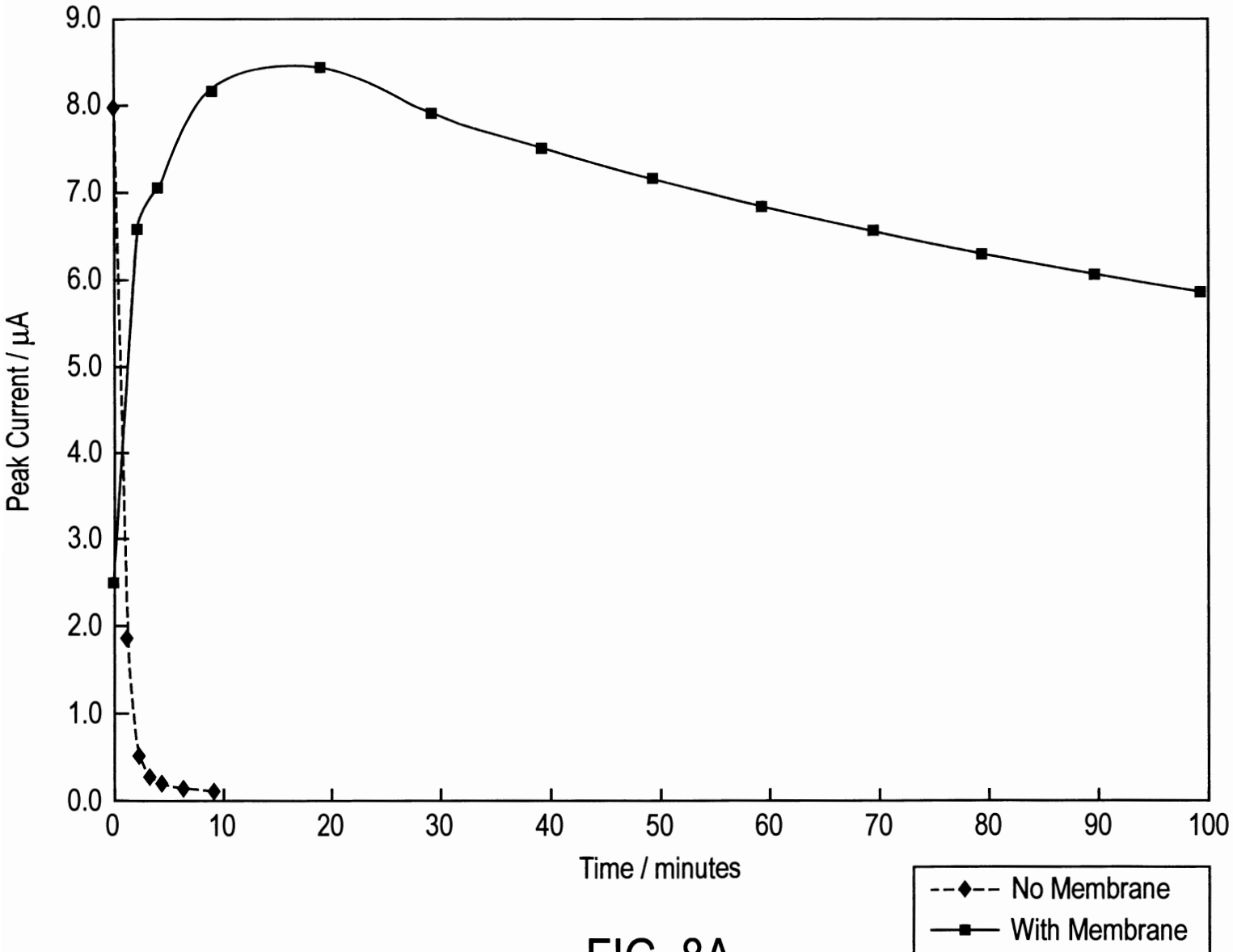

9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Peak Current / µA
0
10
20
30
40
50
60
70
80
90
100
Time / minutes
No Membrane
With Membrane

FIG. 8A

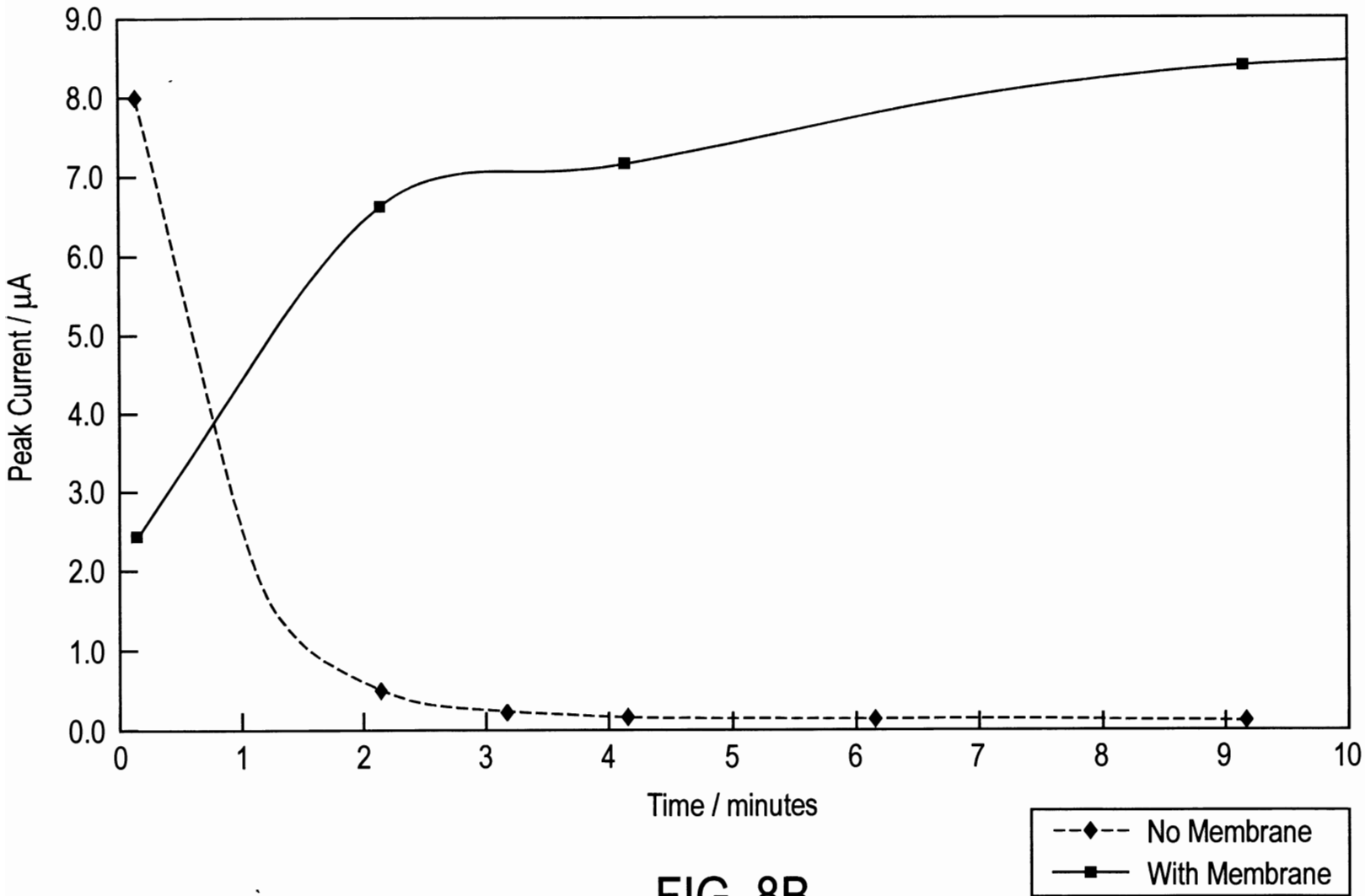

9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Peak Current / µA
0
1
2
3
4
5
6
7
8
9
10
Time / minutes
No Membrane
With Membrane

FIG. 8B