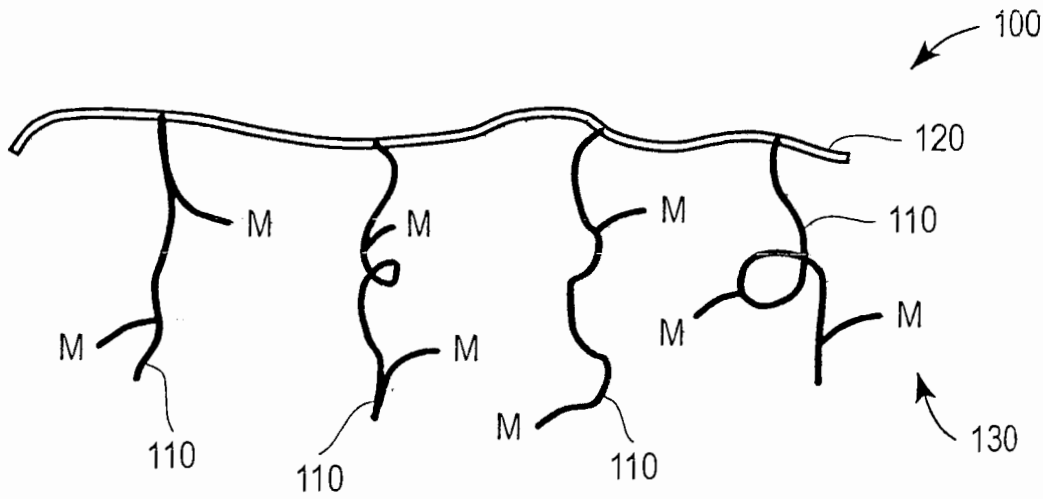

100
120
110
M
M
M
M
M
M
M
M
M
110
110
110
130

FIG. 1

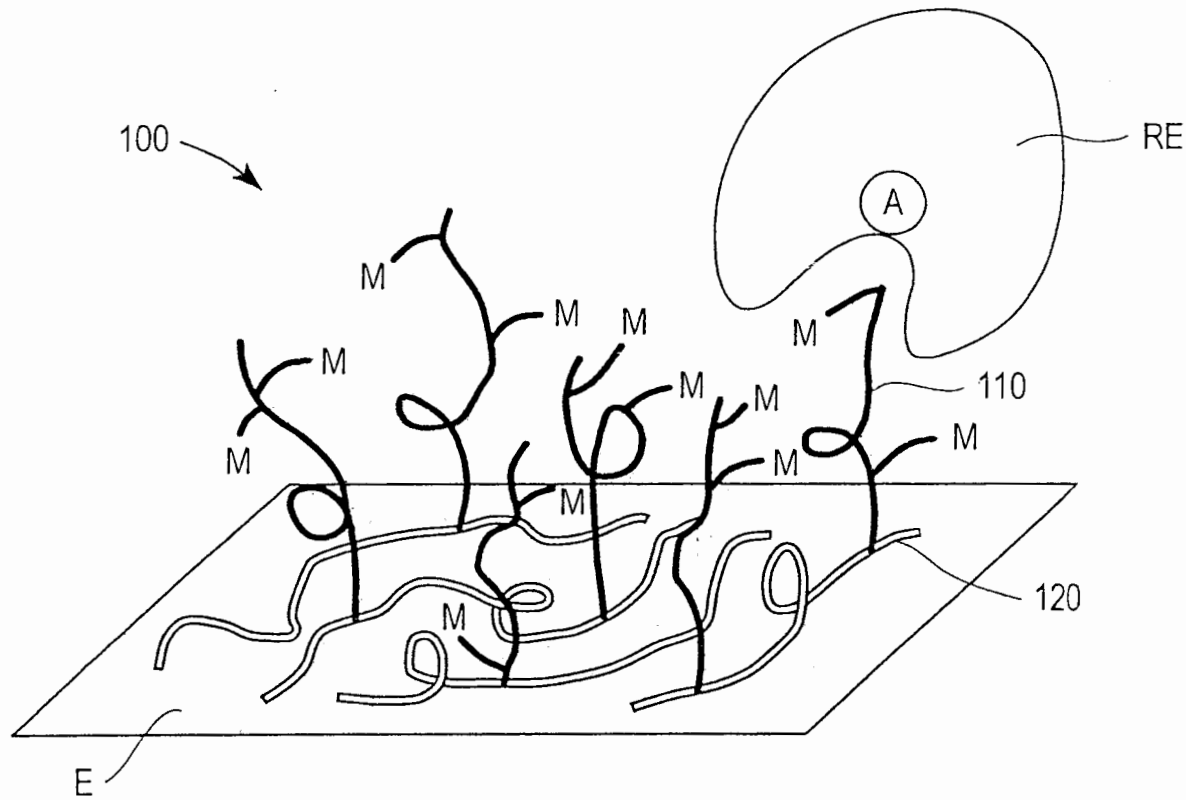

100
RE
A
M
M
M
M
M
M
M
M
M
M
M
M
M
110
120
E

FIG. 2

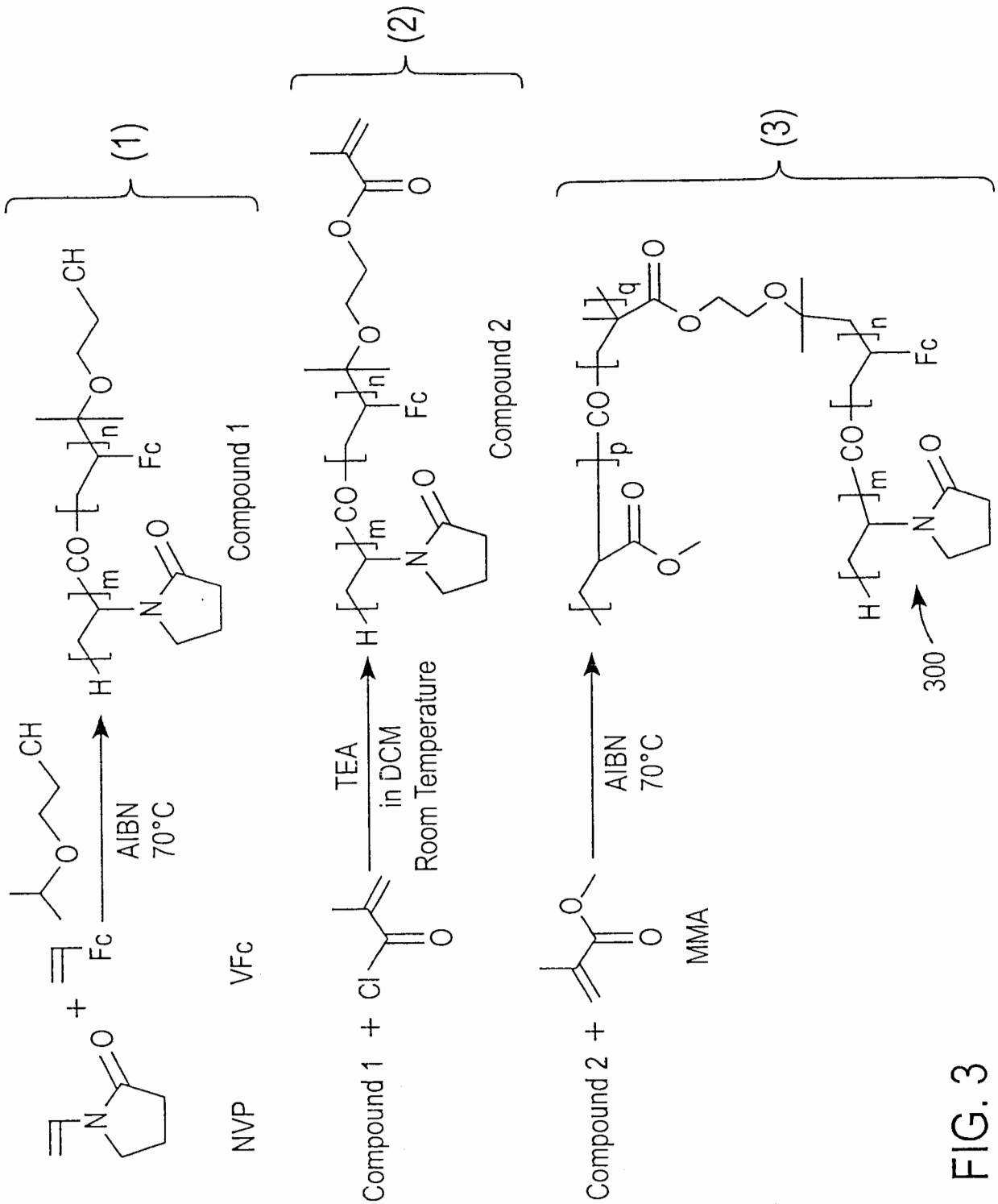

(1)
(2)
(3)
NVP
VFc
AIBN
70°C
Compound 1
TEA
in DCM
Room Temperature
Compound 2
MMA
AIBN
70°C
300

FIG. 3

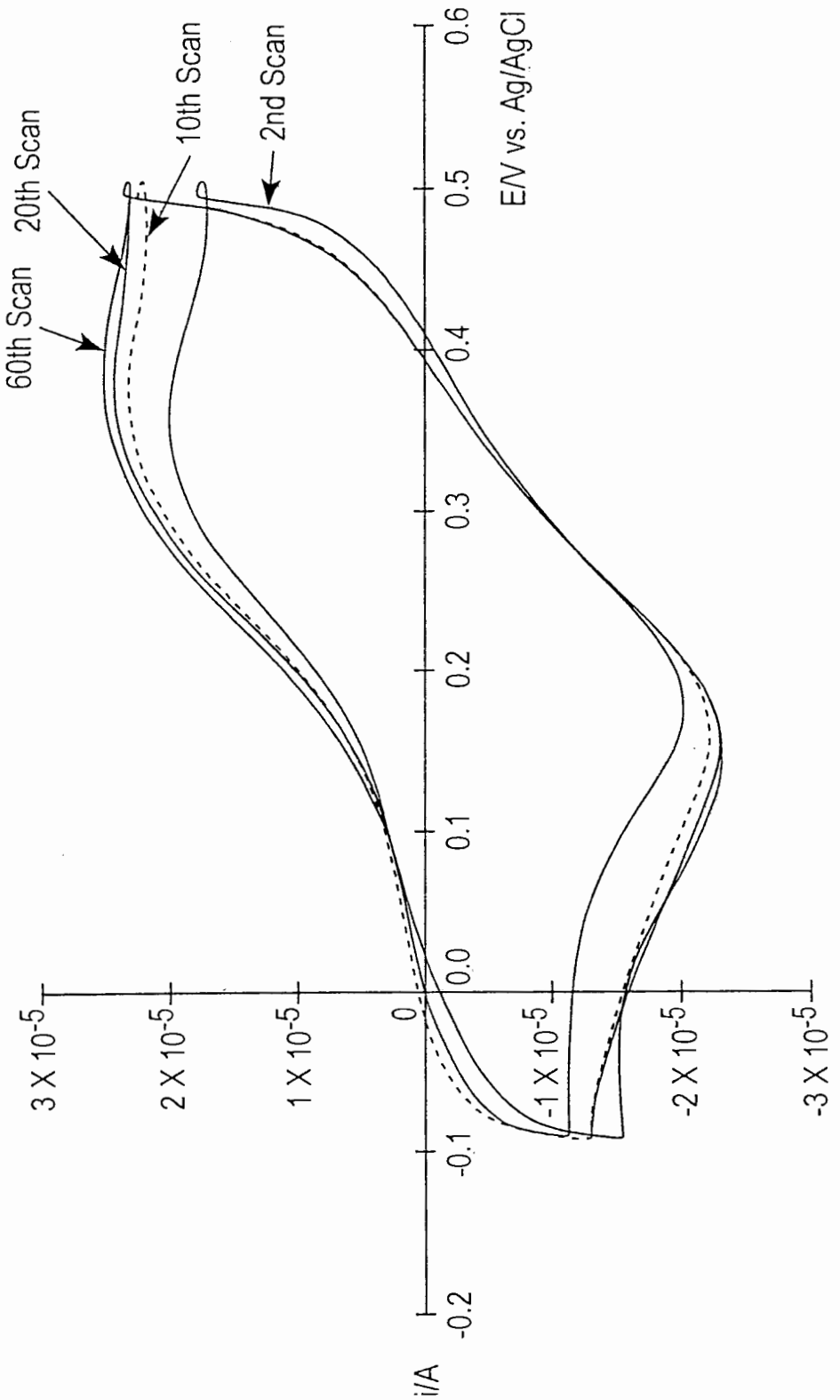

60th Scan
20th Scan
10th Scan
2nd Scan
E/V vs. Ag/AgCl
0.6
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
-0.2
i/A
3 X 10-5
2 X 10-5
1 X 10-5
0
-1 X 10-5
-2 X 10-5
-3 X 10-5

FIG. 4

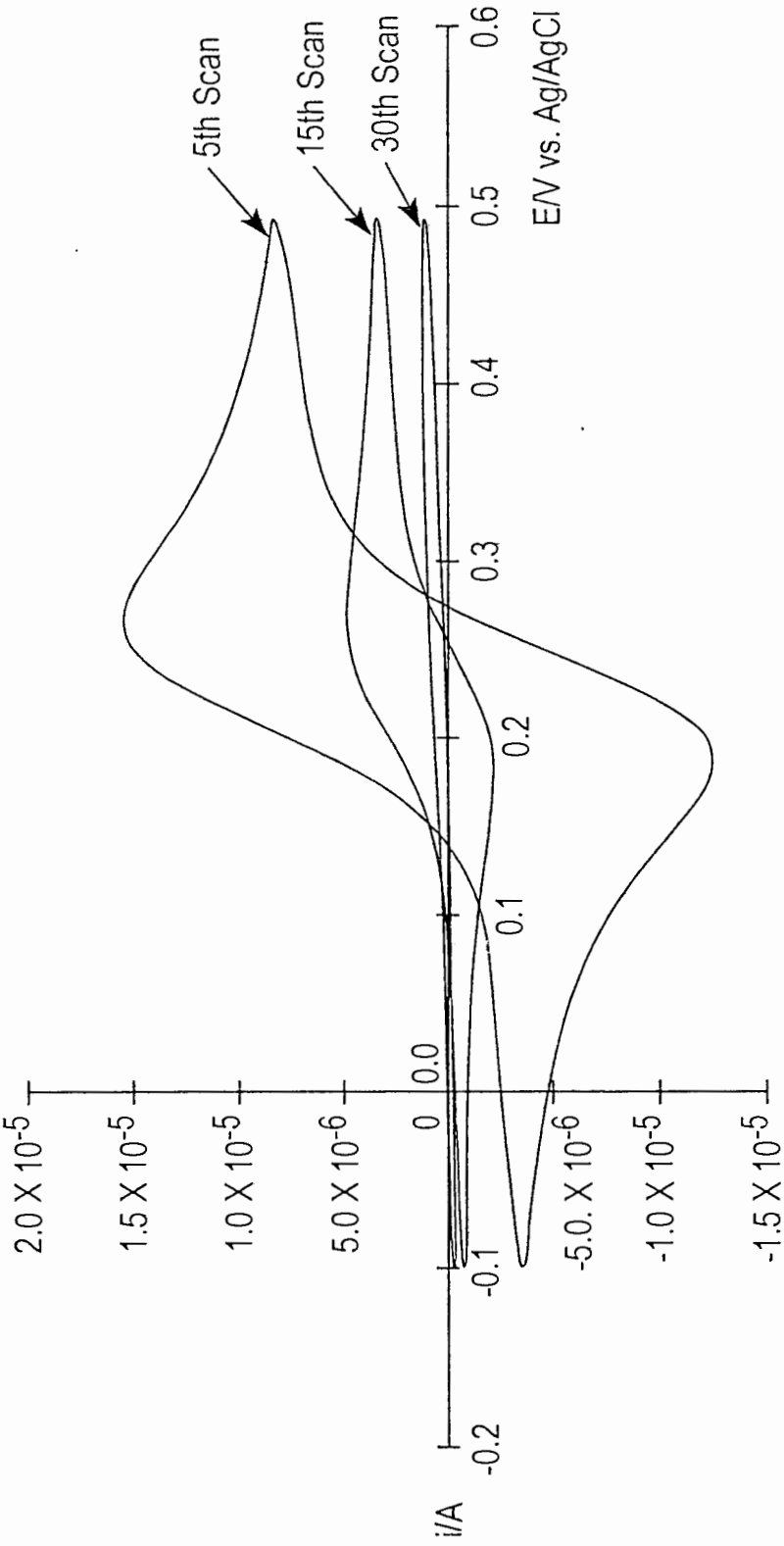

5th Scan
15th Scan
30th Scan
E/V vs. Ag/AgCl
0.6
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
-0.2
i/A
2.0 X 10-5
1.5 X 10-5
1.0 X 10-5
5.0 X 10-6
0
-5.0. X 10-6
-1.0 X 10-5
-1.5 X 10-5

FIG. 5

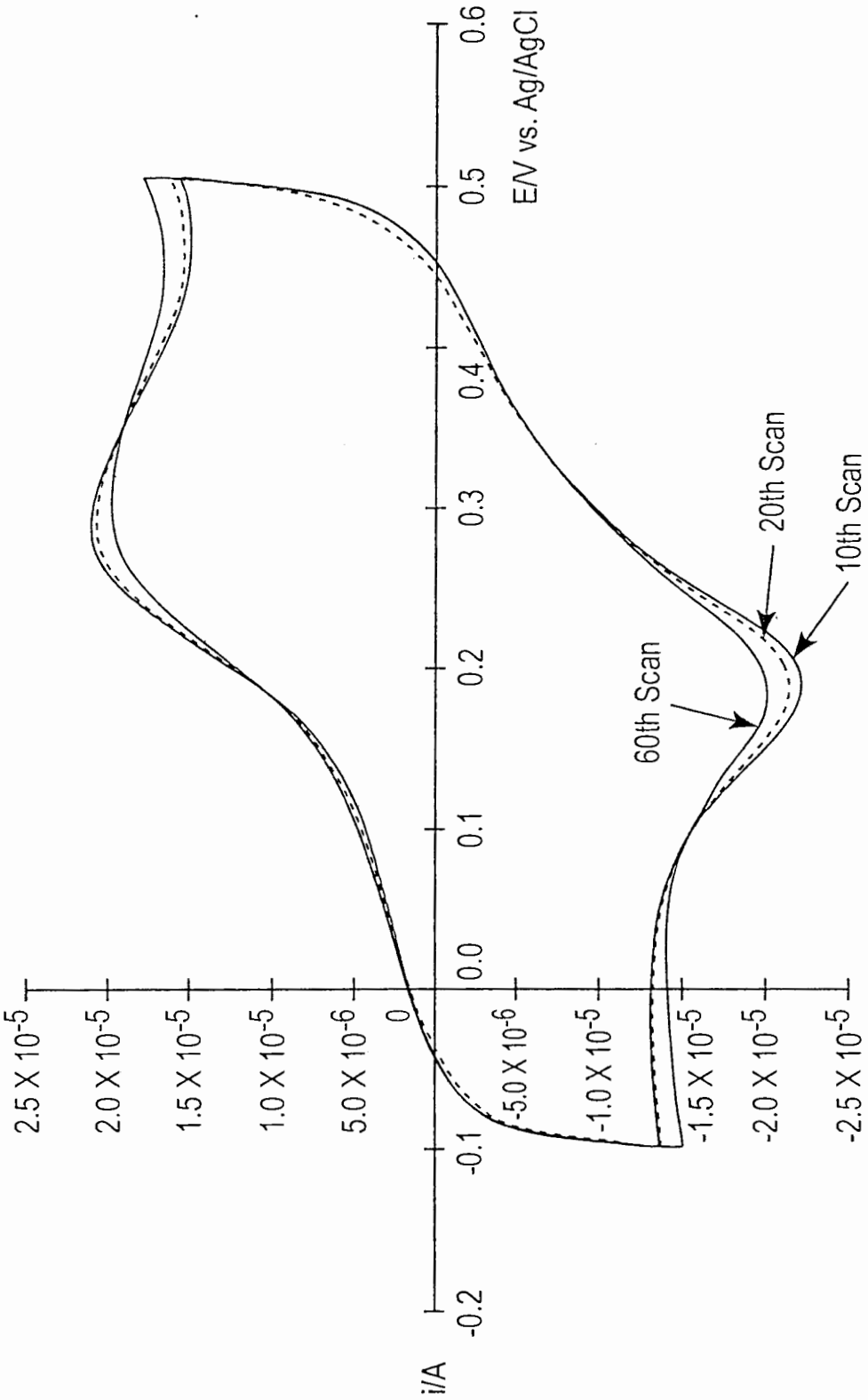

E/V vs. Ag/AgCl
0.6
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
-0.2
i/A
2.5 X 10-5
2.0 X 10-5
1.5 X 10-5
1.0 X 10-5
5.0 X 10-6
0
-5.0 X 10-6
-1.0 X 10-5
-1.5 X 10-5
-2.0 X 10-5
-2.5 X 10-5
10th Scan
20th Scan
60th Scan

FIG. 6

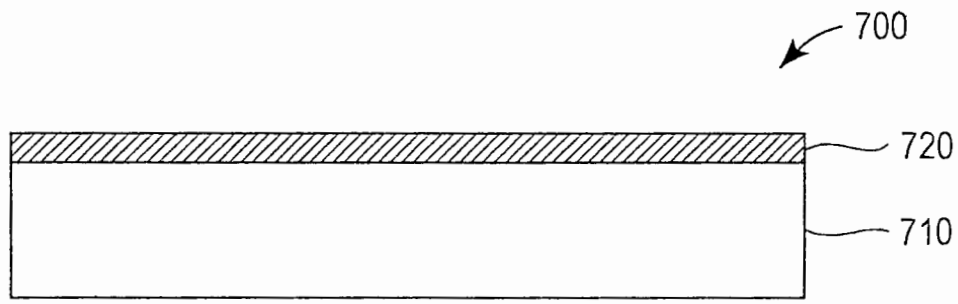


FIG. 7