Fig. 1

Fig. 2

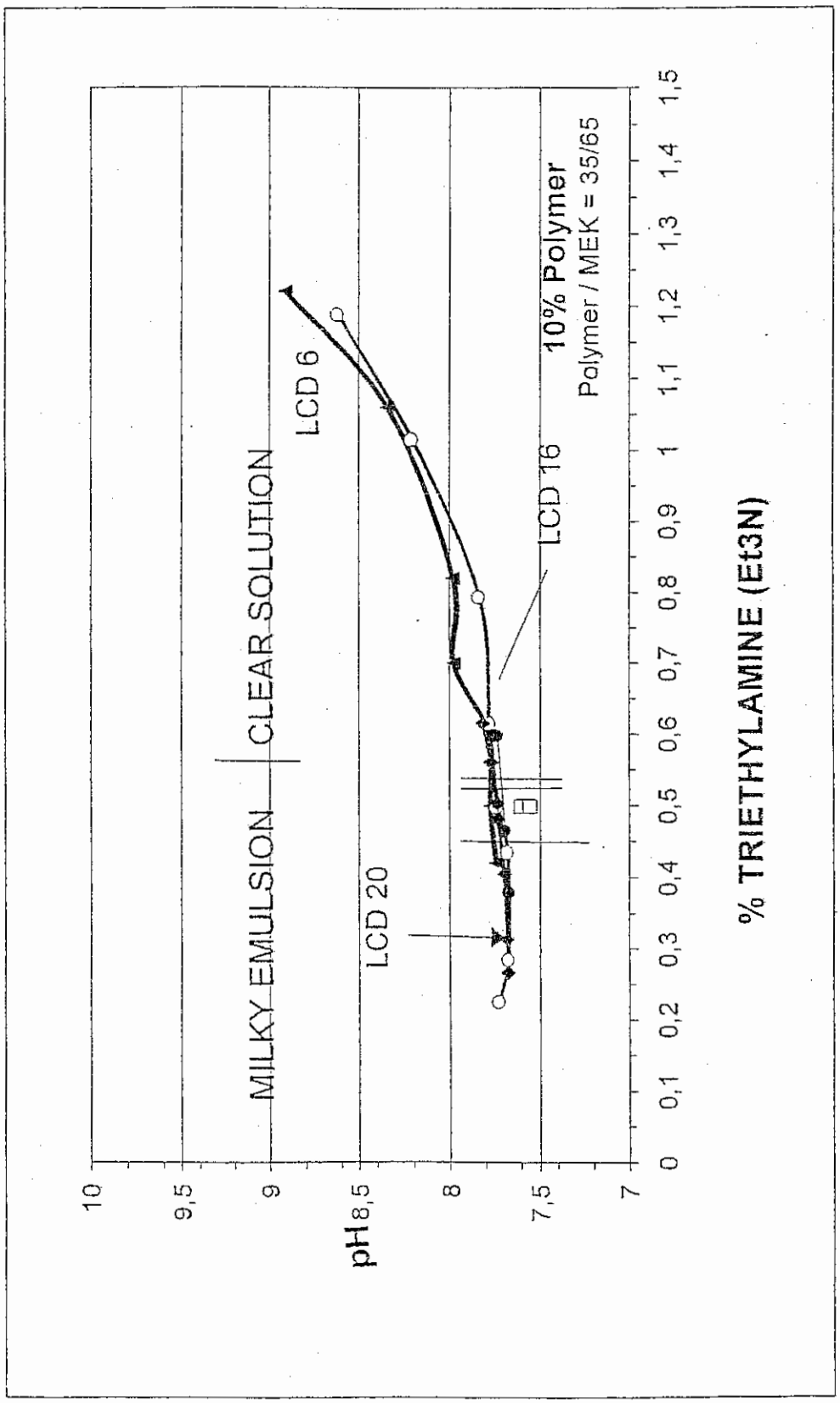

MILKY EMULSION
CLEAR SOLUTION
LCD 6
LCD 20
LCD 16
10% Polymer
Polymer / MEK = 35/65
pH
% TRIETHYLAMINE (Et3N)
10
9,5
9
8,5
8
7,5
7
0
0,1
0,2
0,3
0,4
0,5
0,6
0,7
0,8
0,9
1
1,1
1,2
1,3
1,4
1,5

Fig. 3

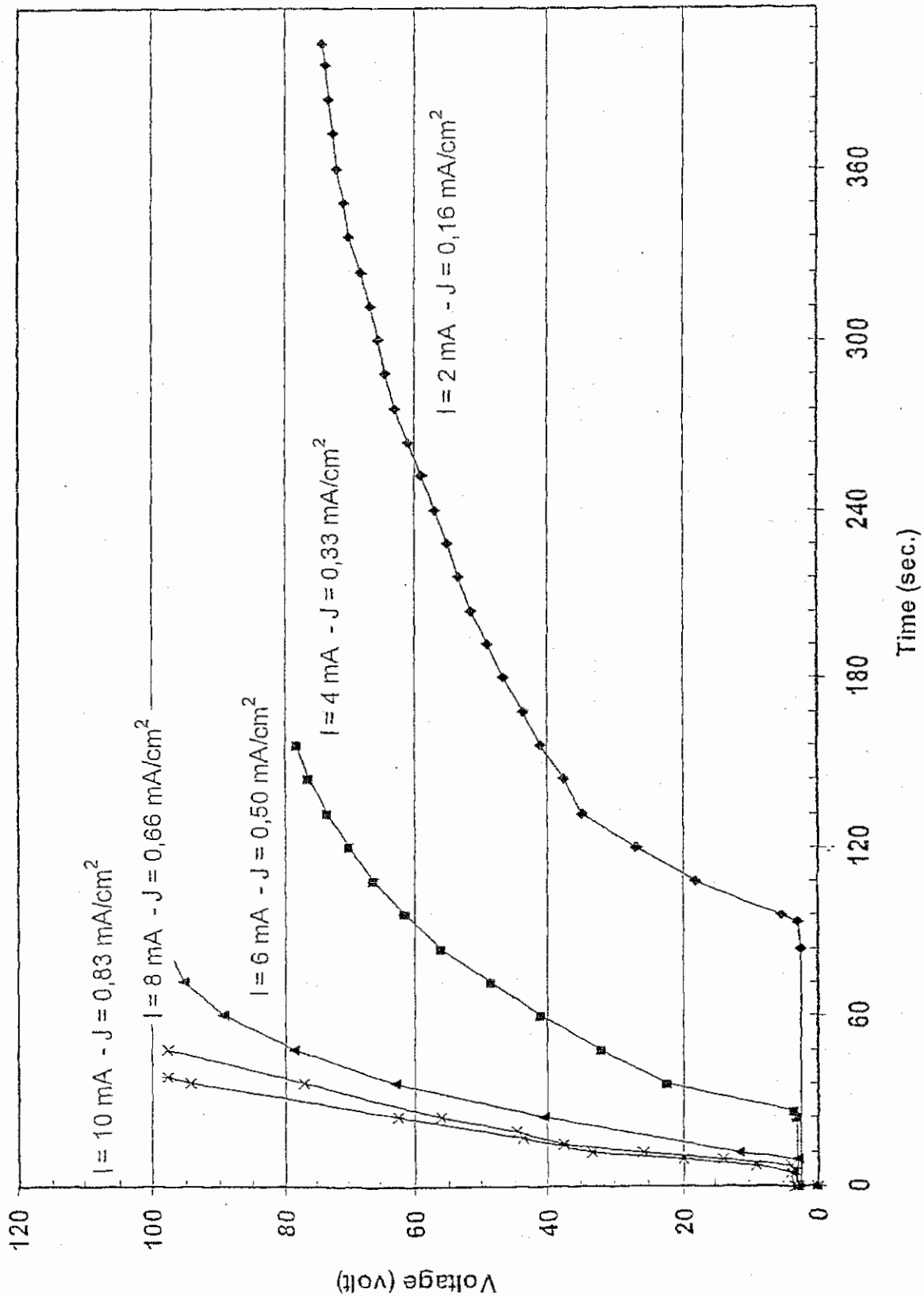
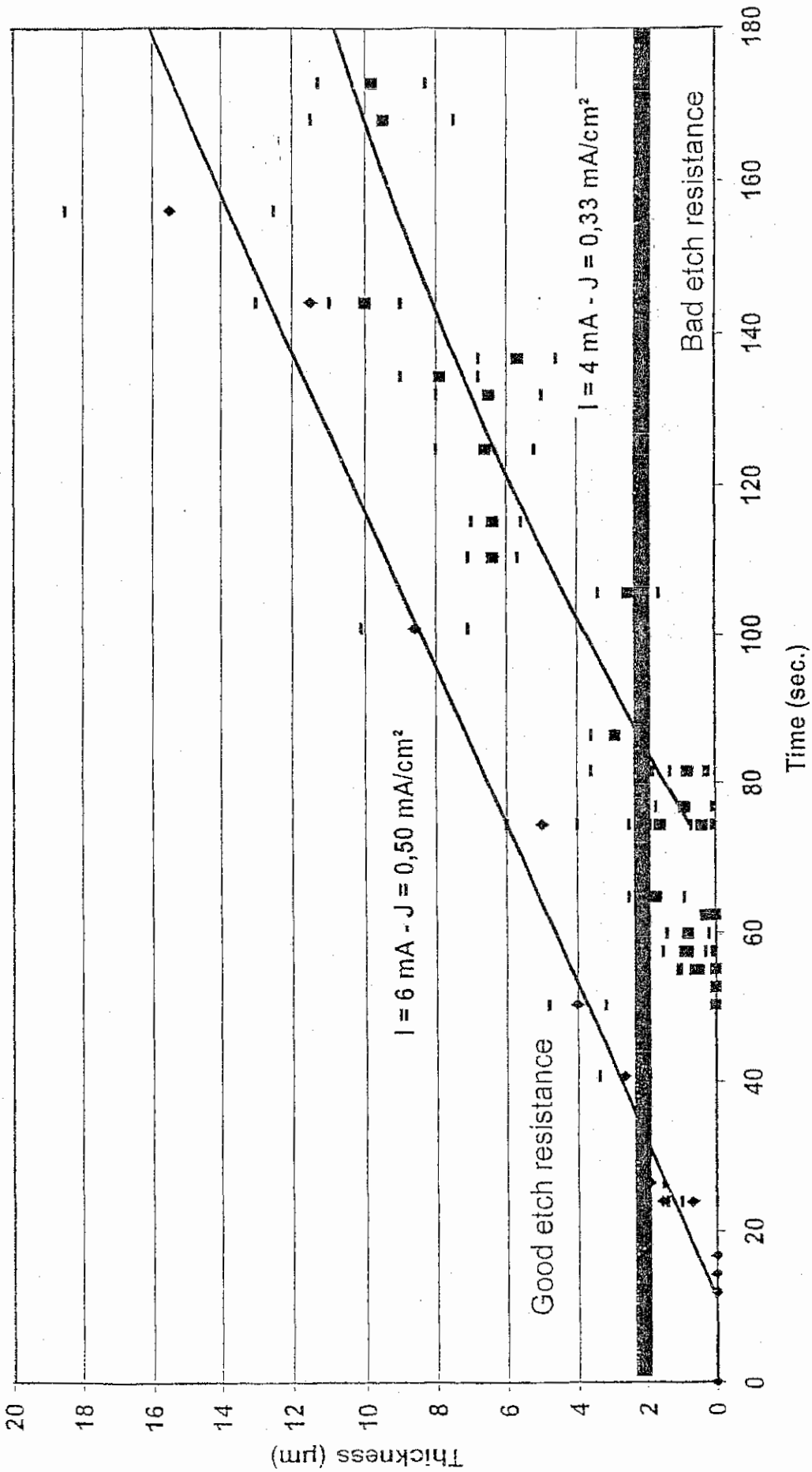

I = 10 mA - J = 0,83 mA/cm2
I = 8 mA - J = 0,66 mA/cm2
I = 6 mA - J = 0,50 mA/cm2
I = 4 mA - J = 0,33 mA/cm2
I = 2 mA - J = 0,16 mA/cm2
Voltage (volt)
120
100
80
60
40
20
0
0
60
120
180
240
300
360
Time (sec.)

Fig. 4


Electrodeposited film thickness vs electrodeposition time.
Thickness (µm)
Time (sec.)
I = 6 mA - J = 0,50 mA/cm²
I = 4 mA - J = 0,33 mA/cm²
Good etch resistance
Bad etch resistance
0
2
4
6
8
10
12
14
16
18
20
0
20
40
60
80
100
120
140
160
180