

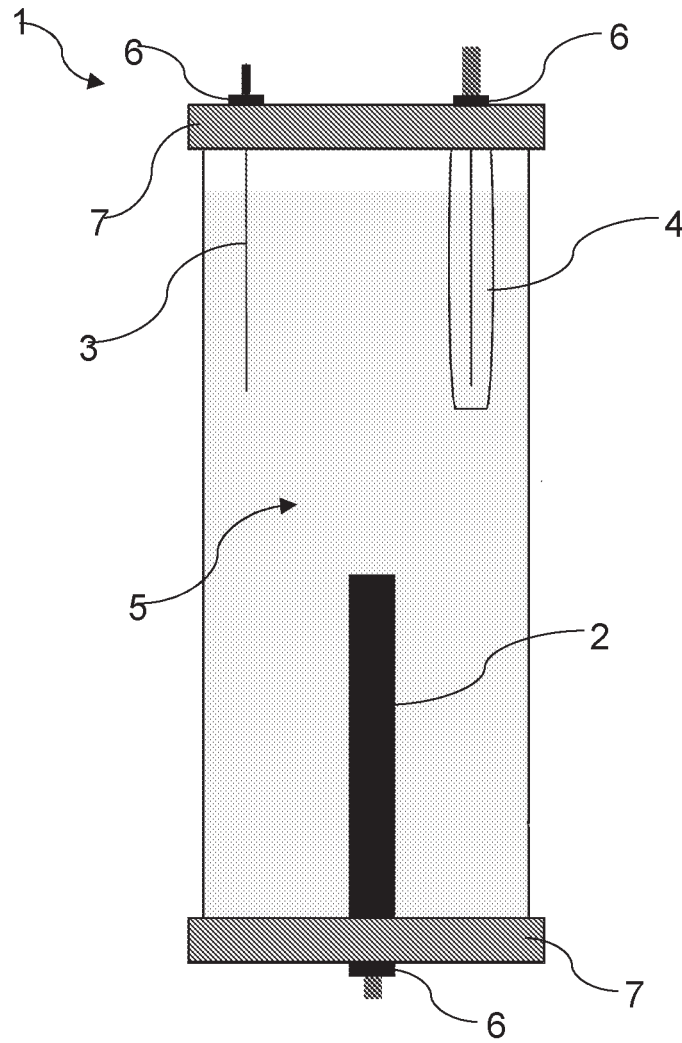


Fig. 1

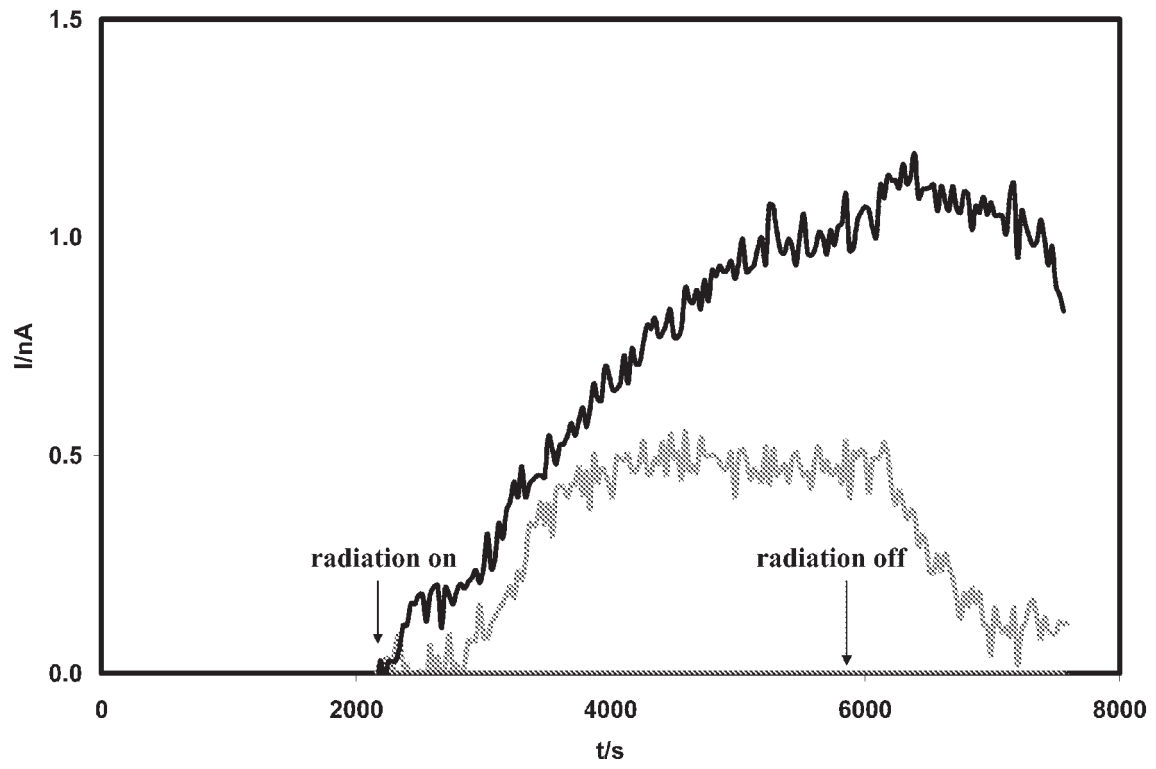


Fig. 2

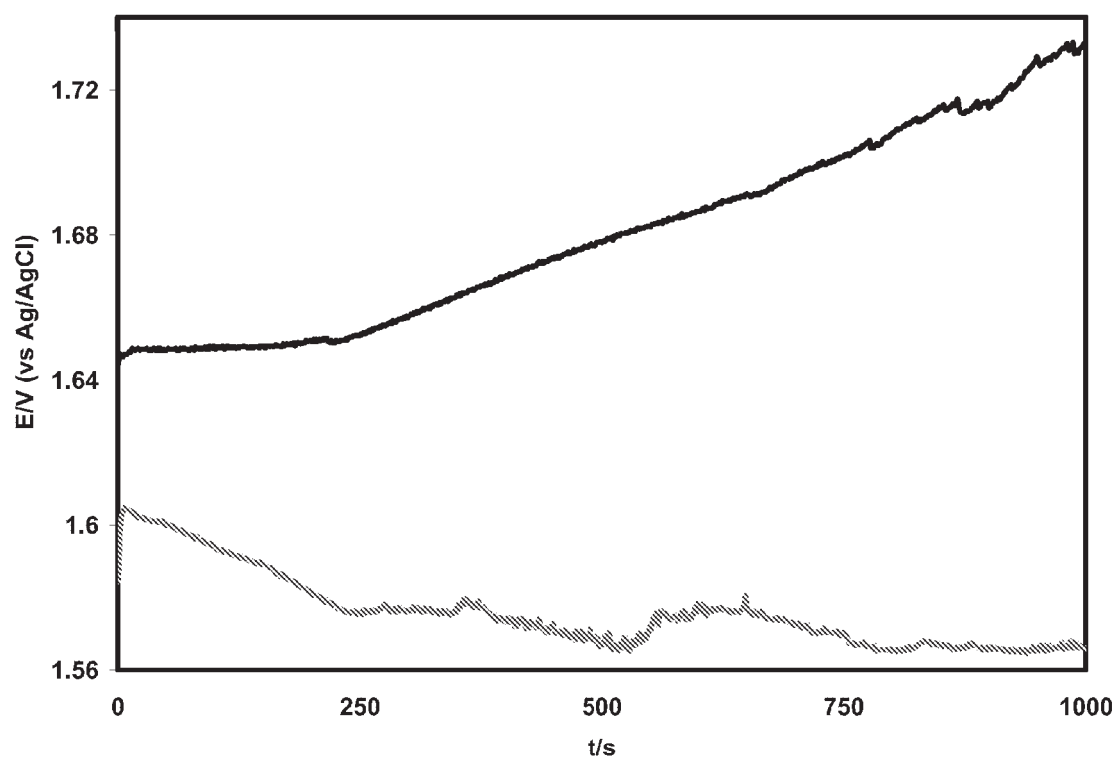


Fig. 3

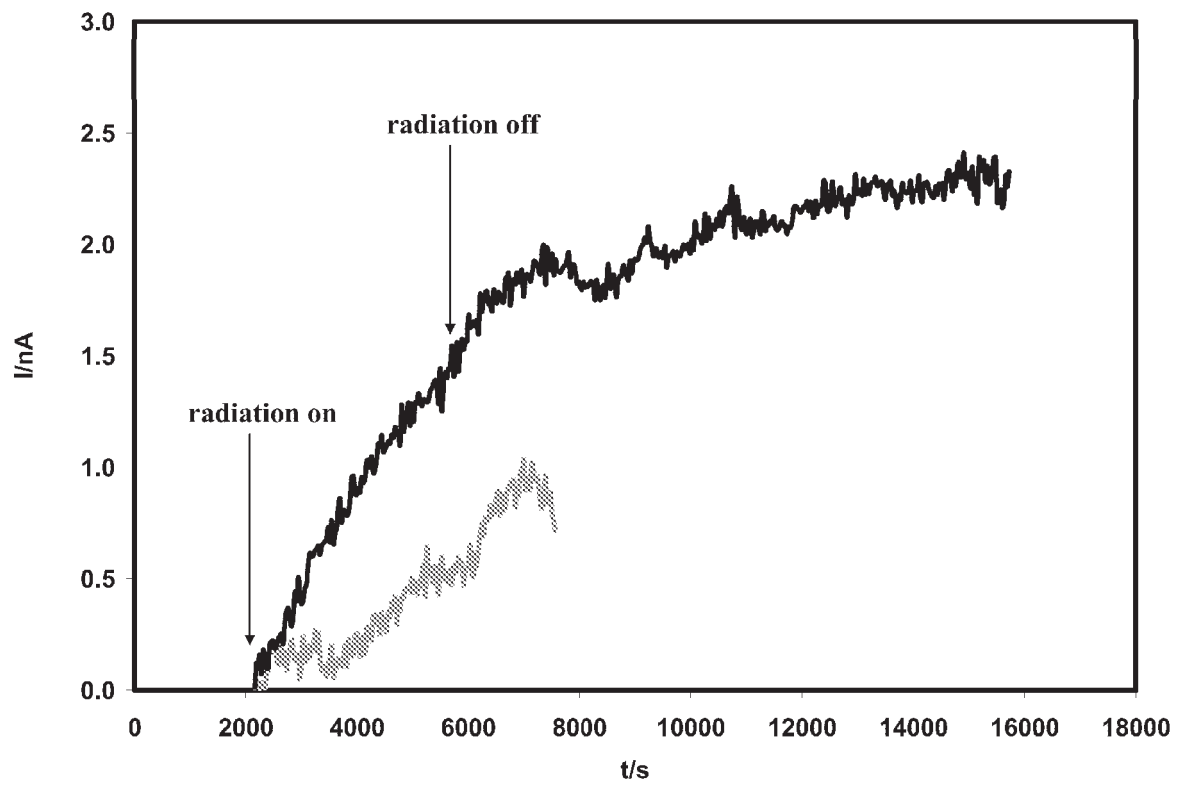


Fig. 4

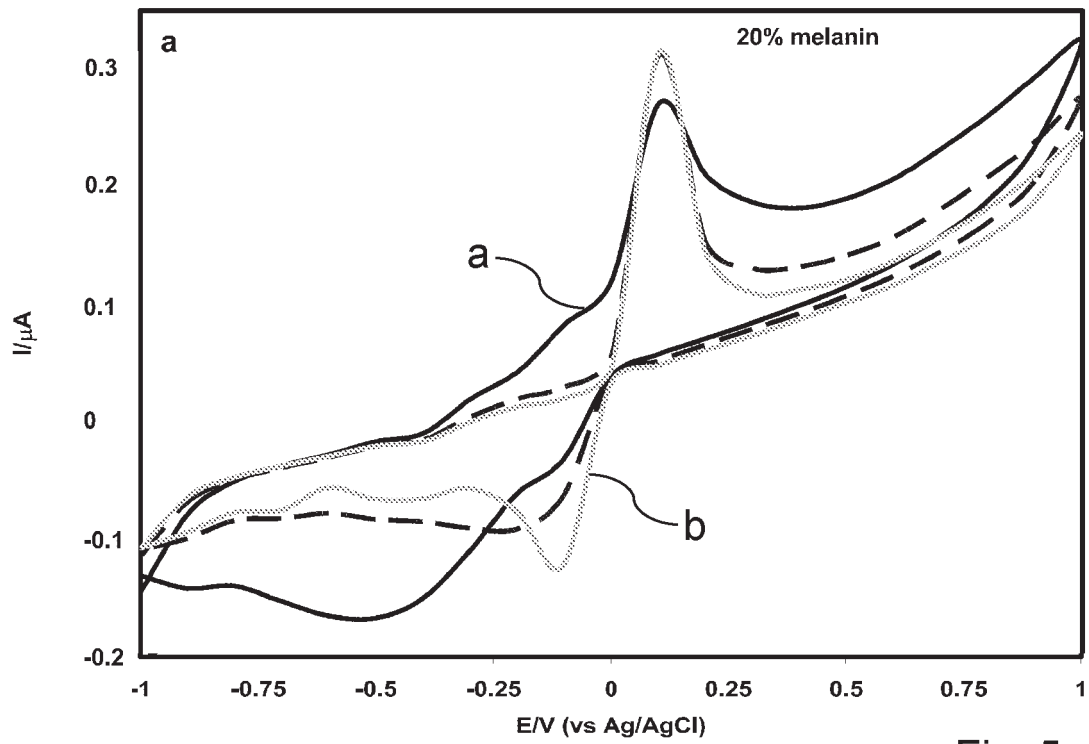


Fig. 5a

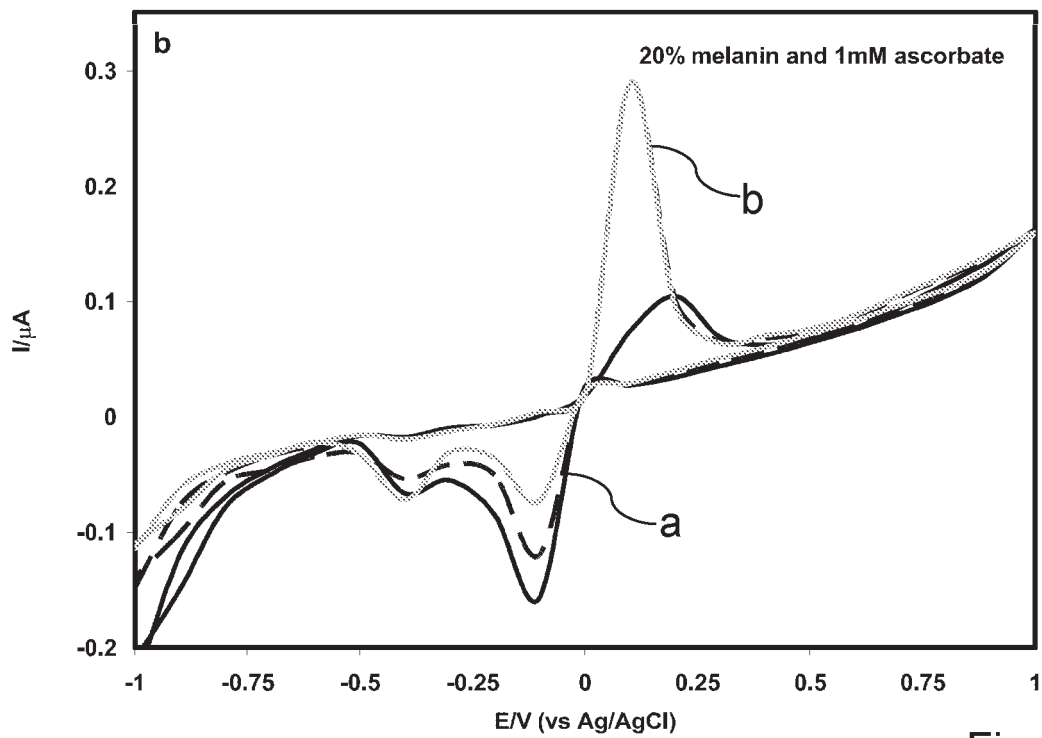


Fig. 5b

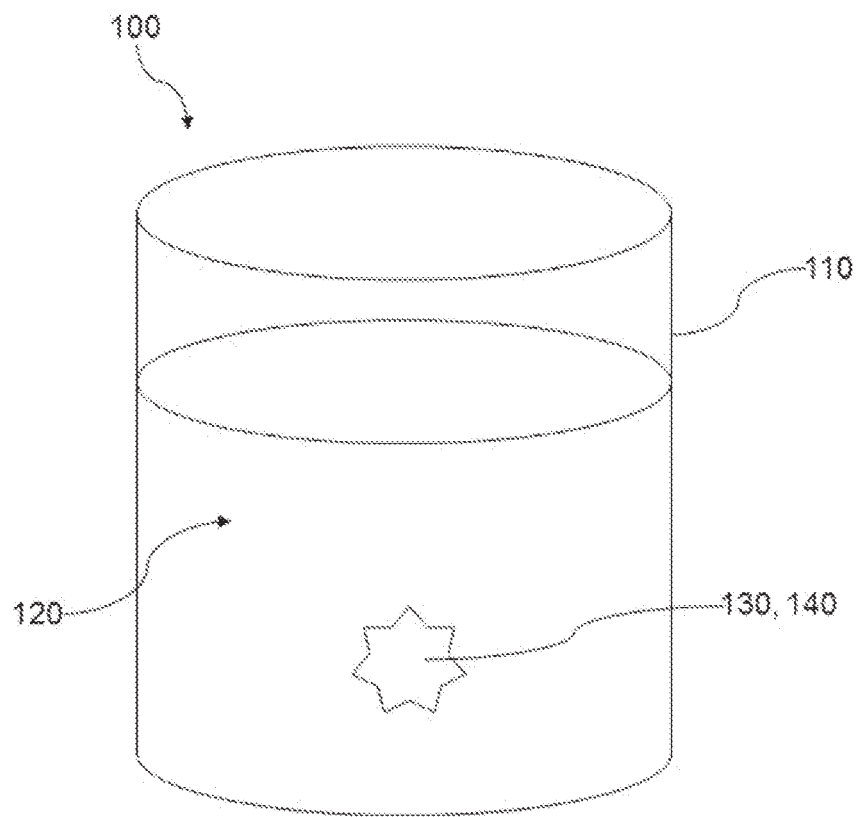


Fig. 6

Table 1

Electrode material	Exposure (t/m)	$\Delta I/\mu A$
100% CP	60	0.52 (0.06)*
10% melanin; 90% CP	60	0.72 (0.08)
20% melanin; 80% CP	60	0.89 (0.10)
30% melanin; 70% CP	60	1.22 (0.14)
20% melanin; 80% CP	90	0.93 (0.11)
30% melanin; 70% CP	90	1.45 (0.17)

* Standard deviation

Fig. 7