

Title (en)  
DIAMOND ELECTRODES

Title (de)  
DIAMANTENELEKTRODEN

Title (fr)  
ÉLECTRODES EN DIAMANT

Publication  
**EP 1779101 A1 20070502 (EN)**

Application  
**EP 05768070 A 20050726**

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Abstract (en)  
[origin: WO2006013430A1] The use of lightly doped CVD diamond layers in heavily doped CVD diamond electrodes controls the erosion mechanisms that cause significant loss of mass and thickness of the electrodes in electrochemical applications. A thin surface layer of lightly doped CVD diamond with relatively low electrical conductivity is tolerable, and in some circumstances beneficial, to the electrochemical process provided that the overall impedance of the system is not radically increased.

IPC 8 full level  
**G01N 27/30** (2006.01); **C02F 1/461** (2006.01); **C25B 11/12** (2006.01)

CPC (source: EP)  
**C02F 1/46109** (2013.01); **G01N 27/308** (2013.01); **C02F 2001/46138** (2013.01)

Citation (search report)  
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