

Title (en)  
CURRENT CONDUCTING ELECTRODE FOR METALLURGICAL FURNACES

Publication  
**EP 0115812 A3 19841107 (DE)**

Application  
**EP 84100701 A 19840124**

Priority  
CH 50783 A 19830128

Abstract (en)  
[origin: EP0115812A2] Such an electrode is assembled from piece-parts (5) of graphite and a ceramic lower part (2) to which is connected the consumable graphite tip (14). A cooling system of copper tubes (4) is arranged in the interior of the electrode, which cooling system extends up to a copper nipple (8) to which the consumable graphite tip (14) is attached. The ceramic electrode part (2) prevents the electrode being damaged by slag that is sprayed up, by which means the life of the electrode can be significantly increased in a simple manner. <IMAGE>

IPC 1-7  
**H05B 7/101**

IPC 8 full level  
**H05B 7/101** (2006.01)

CPC (source: EP)  
**H05B 7/101** (2013.01)

Citation (search report)

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