

Title (en)

ELECTRODE, IN PARTICULAR FOR SIDERURGICAL ELECTRIC ARC FURNACES AND THE LIKE, AND RELATED OPERATION METHOD

Title (de)

ELEKTRODE, INSBESONDERE FÜR ELEKTROLICHTBOGENÖFEN DER STAHLINDUSTRIE UND DERGLEICHEN, UND ENTSPRECHENDE OPERATIONS-METHODE

Title (fr)

ELECTRODE DESTINEE EN PARTICULIER AUX FOURS SIDERURGIQUES A ARC ELECTRIQUE ET PROCEDE DE FONCTIONNEMENT CONNEXE

Publication

**EP 1446984 A2 20040818 (EN)**

Application

**EP 02788534 A 20021025**

Priority

- IT 0200679 W 20021025
- IT RM20010634 A 20011026

Abstract (en)

[origin: WO03037038A2] Electrode and related operation method, in particular for siderurgical electric arc furnaces and the like, comprising means for ejecting a fluid towards the metal bath thereof, wherein the fluid comprises at heat decomposable Carbon-rich combustible component, in particular a gaseous hydrocarbon selected from the group comprising methane, ethane, propane, butane and mixtures thereof, so as to produce a cloud which shields the electrode tip and coats with a solid layer the graphite surface of the electrode.

IPC 1-7

**H05B 7/085**

IPC 8 full level

**H05B 7/085** (2006.01)

CPC (source: EP)

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