

Title (en)
HIGH-CURRENT CONDUCTOR SYSTEM FOR ELECTRIC FURNACES

Publication
EP 0061612 B1 19850807 (DE)

Application
EP 82101844 A 19820309

Priority
DE 3111485 A 19810324

Abstract (en)
[origin: ES8303874A1] In this system, the electrode supporting arms (2) formed of a closed, hollow, liquid cooled profile for an electric furnace are provided with a vertical member (14) having the same type profile structure at whose lower end the electrode (17) is exchangeably fastened, preferably by means of a clamping device (15). For better current transfer, the supporting arms (2) are in part made of a two-component compound material, preferably to correspond to their current charges.

IPC 1-7
H05B 7/101; **H01B 7/34**

IPC 8 full level
H05B 7/101 (2006.01); **H05B 7/11** (2006.01)

CPC (source: EP US)
H05B 7/101 (2013.01 - EP US)

Citation (examination)

- US 824153 A 19060626 - SEWARD GEORGE O [US]
- EP 0053200 A1 19820609 - ARC TECH SYST LTD [KY]

Cited by
DE102009034407A1; EP1901586A1; DE102006027648A1; DE3422950A1; DE3319389A1; FR2682254A1; EP0167485A1; EP0135473A1; GB2271836A; EP0594272A1; GB2271836B; US5676007A; EP0218141A1; EP2928267A1; WO2014044548A1; WO2011009622A1; DE102014208516A1

Designated contracting state (EPC)
AT DE GB IT LU SE

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EP 82101844 A 19820309; AT 82101844 T 19820309; BR 8201619 A 19820323; CA 399162 A 19820323; DE 3265147 T 19820309; ES 510676 A 19820323; JP 4576382 A 19820324; MX 19193982 A 19820323; US 35767582 A 19820312