

Title (en)
ELECTRODE SUPPORTING ARM FOR AN ELECTRIC ARC FURNACE

Publication
EP 0340726 B1 19910731 (DE)

Application
EP 89107936 A 19890502

Priority
DE 8805807 U 19880502

Abstract (en)
[origin: WO8911203A1] Said bracket comprises an arm part (10) and an electrode clamping device; it is made of a highly conductive material in order to carry current. A flanged connection made of flange plates (11, 12) is provided between the arm part and the electrode clamping device. Said flange plates (11, 12) delimit on both sides a hollow cooling liquid chamber (20, 29) and include through-holes (21) for the passage of cooling liquid from one hollow cooling liquid chamber to the other. This provides effective cooling of the flange plates and the current is thereby led directly through the flanged connection, the bracket being made of a light metal.

IPC 1-7
H05B 7/103

IPC 8 full level
H05B 7/103 (2006.01)

CPC (source: EP US)
H05B 7/103 (2013.01 - EP US)

Cited by
DE4236158C1; EP1901586A1; EP0594272B1

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)
EP 0340726 A1 19891108; EP 0340726 B1 19910731; AT E65871 T1 19910815; DE 58900195 D1 19910905; DE 8805807 U1 19890831; ES 2024703 B3 19920301; HK 44693 A 19930514; JP H03500107 A 19910110; JP H0828274 B2 19960321; SG 83692 G 19921204; US 5200974 A 19930406; WO 8911203 A1 19891116

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EP 89107936 A 19890502; AT 89107936 T 19890502; DE 58900195 T 19890502; DE 8805807 U 19880502; EP 8900480 W 19890502; ES 89107936 T 19890502; HK 44693 A 19930506; JP 50510889 A 19890502; SG 83692 A 19920821; US 53655890 A 19900907