

Title (en)
INDUCTION PLASMA FURNACE.

Title (de)
INDUKTIONSPLASMAOFEN.

Title (fr)
FOUR A PLASMA A FONCTIONNEMENT PAR INDUCTION.

Publication
EP 0269735 A4 19880928 (DE)

Application
EP 86904984 A 19860529

Priority
SU 8600049 W 19860529

Abstract (en)
[origin: WO8707468A1] An induction plasma furnace comprises a refractory crucible (1) embraced by an inductor (2), a plasmatron (3) mounted above the crucible (1) and connected to a power source (4) and a hearth electrode (5) mounted in the bottom of the crucible (1) and connected to the power source (4) of the plasmatron (3) through a switching device (6). The upper part of the crucible (1) consists of a cooled metallic ring (8) electrically connected to the switching device (6).

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H05B 11/00

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H05B 6/24 (2006.01); **F27B 3/08** (2006.01); **F27B 14/06** (2006.01); **H05B 7/00** (2006.01); **H05B 7/02** (2006.01); **H05B 7/18** (2006.01); **H05B 11/00** (2006.01)

CPC (source: EP)
H05B 7/00 (2013.01); **H05B 11/00** (2013.01)

Citation (search report)
• [A] FR 2362936 A1 19780324 - TETRONICS RES & DEV CO LTD [GB], et al
• [A] FR 2197988 A1 19740329 - NIPKTI PO CHERNA METALURGIA [BG]
• See references of WO 8707468A1

Cited by
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