

Title (en)
INDUCTION PLASMA FURNACE

Publication
EP 0273975 B1 19900926 (DE)

Application
EP 86906036 A 19860704

Priority
SU 8600070 W 19860704

Abstract (en)
[origin: EP0273975A1] An induction plasma furnace comprises an inductor (1) housing a melting pot (2) the side wall of which consists of two vertically oriented sections (3) made of an electrically conductive material and electrically insulated from each other. At least one of the sections (3) of the pot (2) is connected in series with the electrical circuit of an electric arc plasmatron (7), said circuit being closed through the melt (4), so that the current direction of the arc (10) of the plasmatron (7) is the same or opposite to the current direction in the section (3) of the pot (2).

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H05B 11/00

IPC 8 full level
F27B 3/00 (2006.01); **F27B 3/08** (2006.01); **F27D 11/08** (2006.01); **F27D 23/04** (2006.01); **F27D 27/00** (2010.01); **H05B 6/22** (2006.01); **H05B 7/00** (2006.01); **H05B 7/02** (2006.01); **H05B 7/18** (2006.01); **H05B 11/00** (2006.01); **H05H 1/16** (2006.01); **H05H 1/26** (2006.01)

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Cited by
CN106756073A; EP2895812A4; US9598747B2

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EP 0273975 A1 19880713; EP 0273975 A4 19880928; EP 0273975 B1 19900926; AT E57052 T1 19901015; DE 3674594 D1 19901031; HU 200405 B 19900528; HU T46496 A 19881028; IN 164477 B 19890325; JP H01500152 A 19890119; JP H0361318 B2 19910919; WO 8800426 A1 19880114

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