

Title (en)  
INDUCTION PLASMA FURNACE.

Title (de)  
PLASMA-INDUKTIONSOFEN.

Title (fr)  
FOUR A INDUCTION DE PLASMA.

Publication  
**EP 0273975 A1 19880713 (DE)**

Application  
**EP 86906036 A 19860704**

Priority  
SU 8600070 W 19860704

Abstract (en)  
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).

Abstract (fr)  
Un four à induction de plasma comporte un inducteur (1) abritant un creuset de fusion (2), dont les parois sont composées de sections (3) à orientation verticale, réalisées en un matériau électriquement conducteur et électriquement isolées l'une de l'autre. Au moins une des sections (3) du creuset (2) est reliée en série au circuit d'un plasmatron à arc électrique (7), ledit circuit étant fermé par le bain de fusion (4), de sorte que la direction du courant de l'arc (10) du plasmatron (7) est la même ou l'opposée de celle de la section (3) du creuset (2).

IPC 1-7  
**H05B 11/00**

IPC 8 full level  
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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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