

Title (en)

Apparatus for stirring molten metal in a continuous-casting machine.

Title (de)

Vorrichtung zum Rühren des flüssigen Metalls in einer Stranggiessanlage.

Title (fr)

Dispositif de brassage de métal en fusion dans une installation de coulée continue.

Publication

EP 0197482 A2 19861015 (FR)

Application

EP 86104374 A 19860329

Priority

LU 85846 A 19850410

Abstract (en)

[origin: US4749026A] A device for stirring molten metal in a continuous casting operation in which the molten metal flows in a controlled manner from a reservoir, via a spout, to an ingot mold is presented. The stirring device comprises an electro-magnetic inductor which is displaceable transversely in relation to the metal casting line with its magnetic core consisting of a unitary part with several arms arranged around the casting line at a distance from the latter and directed radially inwardly towards the casting line. In accordance with a first embodiment of the present invention, the core has three arms which are each provided with an electromagnetic winding and which form, between them, angles of 120 DEG . The inductor is preferably arranged around the spout, but similar inductors may be arranged around the casting line in the secondary cooling zone.

Abstract (fr)

Le dispositif est constitué d'un inducteur électromagnétique multipolaire pour induire un mouvement de rotation dans le métal en fusion. Pour permettre le retrait de l'inducteur, le noyau (14) est déplaçable et comporte au moins deux branches (14b, 14c) disposées autour de la ligne de coulée.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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