

Title (en)

Process and device for casting metallic ingots.

Title (de)

Verfahren und Vorrichtung zum Block- oder Stranggießen von Metallen.

Title (fr)

Procédé et dispositif pour la coulée de lingots métalliques.

Publication

EP 0544114 A1 19930602 (DE)

Application

EP 92118392 A 19921028

Priority

DE 4139087 A 19911128

Abstract (en)

The invention relates to a process and a device for the ingot casting or continuous casting of metals in a mould with heat-dissipating walls. In order as far as possible to prevent the formation of casting or vibration marks on the surface of the ingot or strand to be cast, it is envisaged according to the invention that heat be fed to the melt (2) in that region of the liquid-metal level (3) which is close to the wall, with the result that the metal is kept molten in this region. <IMAGE>

Abstract (de)

Die Erfindung bezieht sich auf ein Verfahren und eine Vorrichtung zum Block- oder Stranggießen von Metallen in einer Kokille mit wärmeabführenden Wänden. Um die Bildung von Guß- beziehungsweise Oszillationsmarken an der Oberfläche des zu gießenden Blockes oder Stranges möglichst weitgehend zu verhindern, ist erfindungsgemäß vorgesehen, der Schmelze (2) im wandnahen Bereich des Badspiegels (3) Wärme zuzuführen, so daß in diesem Bereich das Metall schmelzflüssig gehalten wird. <IMAGE>

IPC 1-7

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IPC 8 full level

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Citation (search report)

- [X] LU 83476 A1 19830406 - CENTRE RECH METALLURGIQUE [BE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 11, no. 094 (M-574)25. März 1987 & JP-A-61 245 949 (SUMITOMO METAL IND LTD) 1. November 1986
- [X] PATENT ABSTRACTS OF JAPAN vol. 11, no. 347 (M-641)(2794) 13. November 1987 & JP-A-62 127 162 (DAIDO STEEL CO LTD) 9. Juni 1987
- [X] PATENT ABSTRACTS OF JAPAN vol. 6, no. 167 (M-153)31. August 1982 & JP-A-57 081 944 (KAWASAKI STEEL CORP) 31. August 1982
- [X] PATENT ABSTRACTS OF JAPAN vol. 7, no. 197 (M-239)(1342) 27. August 1983 & JP-A-58 097 464 (ATSUMI OONO) 9. Juni 1983
- [X] PATENT ABSTRACTS OF JAPAN vol. 12, no. 272 (M-724)(3119) 28. Juli 1988 & JP-A-63 056 339 (NIPPON KOKAN KK) 10. März 1988

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