

Title (en)

DEVICE FOR CONTINUOUSLY CASTING METAL, PARTICULARLY STEEL

Title (de)

VORRICHTUNG ZUM STRANGGIESSEN VON METALL, INSBESONDERE VON STAHL

Title (fr)

DISPOSITIF DE COULEE CONTINUE DE METAL, EN PARTICULIER D'ACIER

Publication

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Application

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Abstract (en)

[origin: WO0189741A1] The invention relates to a device for continuously casting metal, particularly steel, comprising a chill provided with walls (1,18) and a cooling system. The aim of the invention is to develop said device in such a way that it can educt high heat flows, be thermally resilient and thereby suitable for use at high casting speeds. To this end, at least one of the chill walls (1, 18) of the device is embodied as a steel chill wall with a support mesh (3). A magnetic field generator (3.2) is used to generate a magnetic field (3.1) which acts upon the steel chill wall (2) via the support mesh (3), thereby drawing said steel chill wall (2) towards the support mesh (3). The chill cooling system comprises a spray cooling device (10).

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