

Title (en)

CHILLED CONTINUOUS CASTING MOULD FOR CASTING METAL

Title (de)

GEKÜHLTE STRANGGIESSKOKILLE ZUM GIESSEN VON METALL

Title (fr)

COQUILLE REFROIDIE POUR COULEE CONTINUE PERMETTANT LA COULEE DE METAL

Publication

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Application

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Abstract (en)

[origin: WO0216061A1] The invention relates to a chilled continuous casting mould (1) for casting metal, in particular steel in slab format, said slabs having a thickness of between 40 and 400 mm and a width of between 200 and 3.500 mm. The mould has walls configured from plates (7, 7.1), into which coolant channels for chilling are incorporated. The aim of the invention is to improve a mould of this type to such an extent that the thermal stress over the entire mould, i.e. the thermal profile over the entire mould is evened out, thus allowing the surface temperature of the mould at the meniscus to be lowered. To achieve this, the width (26.1) of the coolant channels (29) is reduced in the direction of casting, in accordance with the heat current profile (2.1), over the entire mould (13), from the mould inlet (1.1) to the mould outlet (13.2).

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