

Title (en)
CONTINUOUS CASTING INGOT MOULD FOR GUIDING CONTINUOUS CASTINGS

Title (de)
STRANGGIESSKOKILLE ZUM FÜHREN VON STRÄNGEN

Title (fr)
COQUILLE DE COULEE CONTINUE POUR GUIDER DU METAL EN CONTINU

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Abstract (en)
[origin: WO9520443A1] The invention relates to a continuous casting mould for producing continuously cast metal in the form of slabs, thin slabs, cogs and billets. The ingot mould ensures a high degree of casting reliability at casting rates of up to 6 m/min. The cambered shape of the ingot mould ensures that the casting is centred during the casting process, thus preventing or damping sideways motion of the mould (snaking) in the direction of one of its small sides. This symmetrical motion of the box when pouring into the ingot mould takes place results in an even symmetrical structure in the casting shell, the temperature field (isotherms) thereof, the extraction forces and the stress on the casting shell in relation to the casting axis in the direction of pouring, even where there is swing of the casting along the casting guide.

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