

Title (en)

CONTINUOUS CASTING FACILITY FOR GUIDING CONTINUOUSLY CAST METAL

Title (de)

STRANGGIESSANLAGE ZUM FÜHREN VON STRÄNGEN

Title (fr)

INSTALLATION DE COULEE CONTINUE POUR GUIDER DU METAL COULE EN CONTINU

Publication

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Application

EP 95906268 A 19950120

Priority

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Abstract (en)

[origin: US5839503A] PCT No. PCT/DE95/00094 Sec. 371 Date Jul. 29, 1996 Sec. 102(e) Date Jul. 29, 1996 PCT Filed Jan. 20, 1995 PCT Pub. No. WO95/20448 PCT Pub. Date Aug. 3, 1995A continuous casting having a mold for producing strands in the form of slabs, thin slabs, blooms, and billets which results in a central running of the strand in the entire strand guide and in highly reliable casting at casting speeds of up to 6m/min. As a result of the cambered, concave shape of the mold and entire strand guide, the strand is guided coaxially to the entire strand guide from the cast surface until the strand exits at the delivery end of the continuous casting machine so that sideways movement of the entire strand in the direction of one of the narrow sides (snaking) is suppressed. This symmetrical running of the strand shell box to the mold and of the rest of the strand to the strand roll-guide results in a uniform symmetrical formation of the strand shell and its temperature field (isotherms), the withdrawal forces, and the loading of the strand shell in the region of the mold and the rest of the strand guide while at the same time ensuring that the strand runs centrally with reference to the center axis in the direction of the strand axes.

IPC 1-7

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IPC 8 full level

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