

Title (en)
PROCESS FOR PRODUCING THIN SLABS

Title (de)
VERFAHREN ZUR ERZEUGUNG VON DÜNNBRAMMEN

Title (fr)
PROCEDE DE PRODUCTION DE BRAMES MINCES

Publication
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Application
EP 95906269 A 19950120

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Abstract (en)
[origin: WO9520445A1] The invention relates to a process and a continuous casting facility for the production of thin slabs, preferably of steel with a predetermined congealing thickness of (for example) 50 mm. In the said process, an optimal casting surface and internal quality, with minimal and predetermined congealing thickness and plant capacity, and thus minimal complexity of rolling material, is achieved by the optimal combination of such elements as the following: rolling of cast metal in the area of the casting guide (segment 0), cambered ingot mould with a cross-sectional area which increases from inlet to outlet, hydraulically driven lifting platform, casting powder and supply thereof, immersion discharge with specific flow cross section. Qualitative adjustment of these process and system parameters results in satisfactory supply of casting slag and circulation in the meniscus by comparison with a standard 200 mm thick slab. The conditions from the basin top to the meniscus have a direct effect on the superficial and interior quality of the casting and the reliability of the casting process.

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