

Title (en)

PROCESS FOR THE CONTINUOUS CASTING OF A METAL STRAND, ESPECIALLY AS A BAND OR PROFILE, AND DEVICE FOR CARRYING OUT THE PROCESS

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Application

EP 86107532 A 19860603

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Abstract (en)

[origin: US4719963A] The invention relates to a process and apparatus for the casting of metal strands, more particularly in the form of strips. The molten metal emerging from a slotted die 2 is applied to the cooling surface of a cooling member 1 which is moved past the slotted die 2. Allowing for the law of solidification, at the start of casting the strip outlet side die lip is gradually increased from a minimum distance from the cooling surface to the required final distance in such a way that the free gap between the wedge-shaped developing solidification front of the cast strip 7 and the die lip 5 remains small enough to prevent the molten metal from flowing out through the gap in an uncontrolled manner. The end face edge of the slotted die 2 can be borne via one or more gas cushions on the cooling surface and the free surface of the cast strand.

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