

Title (en)
METHOD FOR PRODUCING A CAST STEEL STRIP

Title (de)
VERFAHREN ZUM HERSTELLEN EINES GEGOSSENEN STAHLBANDES

Title (fr)
PROCEDE DE PRODUCTION D'UNE BANDE D'ACIER COULE

Publication
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Application
EP 05787257 A 20050920

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• AT 18232004 A 20041029

Abstract (en)
[origin: US8127826B2] The invention relates to a method for producing a cast steel strip of preferably hot crack-sensitive or hot-brittle steel quality by means of a strip casting plant and to a strip casting plant for carrying out this method. In this case, steel melt is conducted into a melt space formed by two casting rolls and two sideplates, slab shells are formed in the melt space on cooled surface areas of the casting rolls and are brought together in the strip forming cross section between the casting rolls to form an at least partly solidified steel strip, the cast steel strip is then guided along the surface area of one of the two casting rolls from a vertical casting direction into an essentially horizontal transport direction, and the cast steel strip is supplied essentially horizontally on a transport device to a strip winding device and is wound there into a coil. In order in this case to minimize susceptibility to crack formation, the cast steel strip, during its transport movement along the surface area of one of the two casting rolls, is guided in a transport channel without the application of deformation forces influencing the strip thickness and is subjected in this region to strip cooling of less than 200 K/s.

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