

Title (en)

Method of and installation for producing nonoxidizable half ferritic steel strips from liquid metal

Title (de)

Verfahren und Vorrichtung zur Herstellung eines nichtoxydierbaren halbferritischen Stahlbandes aus flüssigem Metall

Title (fr)

Procédé et dispositif de fabrication d'une bande en acier inoxydable semi-ferritique à partir de métal en fusion

Publication

EP 0471608 B1 19960807 (FR)

Application

EP 91402200 A 19910806

Priority

FR 9010304 A 19900813

Abstract (en)

[origin: EP0471608A1] According to this method, the metal is solidified in a continuous-casting ingot mould consisting of two cooled rolls (2) rotating in opposite directions and arranged opposite each other so as to define a casting space between them, a solidified steel strip (3) is extracted continuously from the ingot mould, and, under the ingot mould, the said strip is subjected to a quenching medium (6) in order to cool it sufficiently rapidly in order to prevent the formation of austenite. This medium may consist of a quenching bath, placed in a container (4) arranged under the rolls (2), and whose bottom is pierced with an opening (5) for the passage of the solidified strip (3). It may also consist of an inert gas in the liquid state sprayed onto the product by nozzles. The steel strips obtained are easier to trim and to coil on exit from the casting line, by virtue of the absence of martensite in the ferritic matrix. <IMAGE>

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Citation (examination)

- 454)(2773), 23 octobre 1987; & JP - A - 62112751 (NIPPON STEEL) 23.05.1987
- * EP-A-0352716 *EP-A-0378705 *Stahlschlüssel Wegst, (1983), p. 344;

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