

Title (en)

Steel strip cooling method.

Title (de)

Verfahren zum Kühlen von Bandstahl.

Title (fr)

Procédé pour le refroidissement d'une bande d'acier.

Publication

EP 0230780 A1 19870805 (EN)

Application

EP 86310098 A 19861223

Priority

JP 28932085 A 19851224

Abstract (en)

A method of rapidly cooling steel strips heated and soaked in a continuous heat-treatment furnace. The rapidly cooling is carried out by winding a steel strip (1) about a plurality of cooling rolls in succession (11-15) to bring the steel strips into contact therewith. The rapid cooling is started at a temperature of a range of 550-720 DEG C and simultaneously a tensile force alpha (kgf/mm<2>) of the steel strip is adjusted within a range determined by an inequality of (1900-Ts)/1670< alpha <(1980-Ts)/720 according to the starting temperature Ts(DEG C) of the rapid cooling. In another aspect, the rapid cooling is carried out by winding the steel strip about a plurality of cooling rolls in succession (11-15) to bring the steel strip into contact therewith and at the same time by jetting a gas against a back surface of the steel strip (8,9,16-20). The rapid cooling is started at a temperature of a range of 550-720 DEG C and simultaneously a tensile force alpha min (kgf/mm<2>) of the steel strip is adjusted within a range determined by an inequality of (1570-Ts)/1670< alpha min <(2410-Ts)/630.

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IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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- [AD] PATENT ABSTRACTS OF JAPAN, vol. 8, no. 106 (C-223)[1543], 18th May 1984; & JP-A-59 20 428 (NIPPON KOKAN K.K.) 02-02-1984
- [AD] PATENT ABSTRACTS OF JAPAN, vol. 8, no. 251 (C-252)[1688], 16th November 1984; & JP-A-59 129 737 (KAWASAKI SEITETSU K.K.) 26-07-1984

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