

Title (en)

METHOD FOR COOLING HOT-ROLLED STEEL SHEET

Title (de)

KÜHLVERFAHREN FÜR EIN HEISSGEWALZTES STAHLBLECH

Title (fr)

PROCÉDÉ PERMETTANT DE REFROIDIR UNE TÔLE D'ACIER LAMINÉE À CHAUD

Publication

**EP 2764932 A1 20140813 (EN)**

Application

**EP 12873475 A 20121206**

Priority

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Abstract (en)

The method for cooling a hot-rolled steel sheet of the invention includes a target ratio-setting process in which a top and bottom heat transfer coefficient ratio  $X_1$ , at which a temperature standard deviation  $Y$  becomes a minimum value  $Y_{min}$ , is set as a target ratio  $X_t$  based on correlation data between a top and bottom heat transfer coefficient ratio  $X$  of the hot-rolled steel sheet and the temperature standard deviation  $Y$  of the hot-rolled steel sheet; and a cooling control process in which at least one of an amount of heat dissipated from a top surface by cooling and an amount of heat dissipated from a bottom surface by cooling of the hot-rolled steel sheet in the cooling section is controlled so that the top and bottom heat transfer coefficient ratio  $X$  of the hot-rolled steel sheet in the cooling section matches the target ratio  $X_t$ .

IPC 8 full level

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