

Title (en)

COOLING METHOD FOR A HOT-ROLLED PRODUCT AND A CORRESPONDING COOLING-SECTION MODEL

Title (de)

KÜHLVERFAHREN FÜR EIN WARMGEWALZTES WALZGUT UND HIERMIT KORRESPONDIERENDES KÜHLSTRECKENMODELL

Title (fr)

PROCEDE DE REFROIDISSEMENT D'UN PRODUIT LAMINE A CHAUD ET MODELE DE LIGNE DE REFROIDISSEMENT CORRESPONDANT

Publication

EP 1397523 B1 20070808 (DE)

Application

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Priority

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Abstract (en)

[origin: WO03000940A1] To determine the temperature progression ($T_m(t)$) of a hot-rolled product (1) in a cooling section (5), a thermal-conduction equation of formula (I) is solved in a cooling-section model (4). In said equation, e represents the enthalpy, λ represents the thermal conductivity, p stands for the degree of phase transition, ρ represents the density, T represents the temperature of the rolled product at the rolled-product location and t represents the time.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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