

Title (en)

Method and device for thermal control of a roll profile in a rolling mill

Title (de)

Verfahren und Vorrichtung zur thermischen Regelung des Walzenprofils in einem Walzwerk

Title (fr)

Procédé et dispositif de contrôle thermique du profil d'un cylindre dans un laminoir

Publication

EP 1118395 B1 20050713 (FR)

Application

EP 01400041 A 20010109

Priority

FR 0000243 A 20000110

Abstract (en)

[origin: US2001007200A1] The invention relates to a method for thermal control of the profile of a roll in a mill by spraying, over a cooled zone (4) of the roll (1), a series of jets of fluid (J), each forming an oblong impact surface (S). According to the invention, the distance (a) between the middle axes of the impact surfaces (S) is caused to vary in relation to the position of the said impact surfaces over the length of the cooled zone (4) so that the said zone comprises a central zone (41, 43) with a substantially constant pitch and whereas two transition zones (44) extend on either side of the central zone at least up to two edges (13) of the band (M) and in which the spacing between the middle axes of the impact surfaces (S) is reduced with respect to the constant pitch (a) of the central zone (41, 43).

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