

Title (en)

METHOD AND DEVICE FOR COOLING AND LUBRICATING ROLLERS ON A ROLLING STAND

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KÜHLEN UND SCHMIEREN VON WALZEN EINES WALZGERÜSTES

Title (fr)

PROCEDE ET DISPOSITIF DE REFROIDISSEMENT ET DE LUBRIFICATION DE CYLINDRES D'UNE CAGE DE LAMINOIR

Publication

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Application

EP 02754755 A 20020625

Priority

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Abstract (en)

[origin: WO03002277A1] The invention relates to a method and a device for cooling and/or lubricating rollers, in particular the working rollers (2, 3) on a rolling stand and a rolled strip (1), rolled between the above rollers and transported onwards, using water in the form of spray jets (4, 5) as cooling medium and oil, oil/air mix, oil/water mix, oil/air/water mix or grease mixtures as lubricant. In order to improve the lubricating and cooling effects, a combined application of super-cooling the strip and roller surfaces and roller lubrication on the input side of the stand is disclosed, in which both media, water and lubricant, are separately fed to the rollers (2, 3) and the rolled strip and applied to the roller surface at different application points. Separate reservoirs for water and lubricant and separate lines to the spraying bar (11) for water and the spraying bar (12) for the lubricant are provided.

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IPC 8 full level

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Cited by

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