

Title (en)

COOLING OF METAL STRIP IN A ROLLING STAND

Title (de)

KÜHLUNG VON METALLBAND IN EINEM WALZGERÜST

Title (fr)

REFROIDISSEMENT DE LA BANDE MÉTALLIQUE DANS UNE CAGE DE LAMINOIR

Publication

**EP 3670011 B1 20220928 (DE)**

Application

**EP 18215003 A 20181221**

Priority

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Abstract (en)

[origin: WO2020126473A1] First of all, a first planar metal item (2) to be rolled passes through a roll stand (1c) in a transport direction (x). The item to be rolled is rolled by means of working rolls (3) installed in the roll stand (1c). While the first planar item (2) to be rolled is being rolled, a first cooling device (11) arranged in the roll stand (1c) is held in a retracted position in which, when viewed in the transport direction (x), it is spaced apart from the working rolls (3). The working rolls (3) are then removed from the roll stand (1c). After the working rolls (3) are removed, the first cooling device (11) is moved in or counter to the transport direction (x) into a position which is in front such that the first cooling device (11) is subsequently arranged in a region in which the working rolls (3) were previously arranged. Finally, a second planar metal item (10) to be rolled passes through the roll stand (1c) in the transport direction (x) so as to be free of deformation. A liquid coolant (14) is applied to the second metal item to be rolled by means of the first cooling device (11) located in the position which is in front.

IPC 8 full level

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