Title (en)

ADJUSTMENT OF A TARGETED TEMPERATURE PROFILE ON THE STRIP HEAD AND STRIP FOOT BEFORE TRANSVERSALLY CUTTING A METAL STRIP

Title (de)

EINSTELLEN EINES GEZIELTEN TEMPERATURPROFILES AN BANDKOPF UND BANDFUSS VOR DEM QUERTEILEN EINES METALLBANDS

Title (fr)

RÉGLAGE D'UN PROFIL DE TEMPÉRATURE CIBLÉ SUR UNE TÊTE DE BANDE ET PIED DE BANDE DEVANT LA PARTIE TRANSVERSALE D'UNE BANDE MÉTALLIQUE

Publication

EP 3177412 A1 20170614 (DE)

Application

EP 15738039 A 20150709

Priority

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- EP 2015065731 W 20150709

Abstract (en)

[origin: WO2016020134A1] The invention relates to the area of metallurgical systems, specifically a rolling mill with a cooling zone for cooling and scissors for cross-cutting metal strips, which are preferably made of steel. The aim of the invention is to provide a method and a device with which even metal strips with thicknesses > 4 mm and/or metal strips made of high-strength materials can be cross-cut by means of scissors arranged after a production line and a cooling zone. This is achieved by a method in which the metal strip (6) is cooled in the cooling zone (10) to a specified temperature profile in the longitudinal direction of the metal strip (6) such that the metal strip (6) has a higher temperature in the region of the strip head of the trailing metal strip portion (31) and the strip base of the leading metal strip portion (32) than in the upstream and downstream regions.

IPC 8 full level

B21B 37/74 (2006.01)

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Cited by

WO2023143924A1; WO2021099077A1; DE102022200939A1; US10870139B2; EP3177412B1

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