

Title (en)

Method and device for enhanced strip cooling in the cold rolling mill

Title (de)

Verfahren und Vorrichtung zur verbesserten Streifenkühlung im Kaltwalzwerk

Title (fr)

Procédé et dispositif de refroidissement de bande améliorée dans un laminoir à froid

Publication

EP 2813298 A1 20141217 (EN)

Application

EP 13171182 A 20130610

Priority

EP 13171182 A 20130610

Abstract (en)

The present invention relates to a device (8) for cooling a flat or long metallurgical product (1) in a cold rolling mill, by creating a highly turbulent liquid coolant cushion at low pressure, comprising a header made of one or more compartments (9), each compartment (9) being provided with a means for supplying the liquid coolant (10) and with an internal surface to be located at short distance of the product (1), said internal surface comprising a plurality of nozzles or bore holes arranged according to a well-defined two-dimensional pattern (11).

IPC 8 full level

B21B 45/02 (2006.01)

CPC (source: EP)

B21B 45/0218 (2013.01); **B21B 45/0233** (2013.01); **B21B 2001/221** (2013.01)

Citation (applicant)

- WO 2008104037 A1 20080904 - CT RECH METALLURGIQUES ASBL [BE], et al
- US 2010089112 A1 20100415 - UIJTDEBROEKS HUGO [BE], et al

Citation (search report)

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- [X] US 5697169 A 19971216 - JACOB WILLIAM L [US]

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CN113245379A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2014167138 A1 20141016; EP 2813298 A1 20141217

DOCDB simple family (application)

EP 2014057519 W 20140414; EP 13171182 A 20130610