

Title (en)

ROLLING MILL FOR PRODUCING STEEL FOR TUBES AND THIN STRIP

Title (de)

WALZSTRAßE ZUR RÖHRENSTAHL- UND DÜNNBANDERZEUGUNG

Title (fr)

TRAIN DE LAMINOIR POUR LA PRODUCTION D'ACIER TUBULAIRE ET DE BANDES MINCES

Publication

**EP 2651578 A1 20131023 (DE)**

Application

**EP 11799672 A 20111214**

Priority

- DE 102010063279 A 20101216
- EP 2011072815 W 20111214

Abstract (en)

[origin: WO2012080368A1] The invention relates to a rolling mill for producing metal strips, preferably steel for tubes and/or thin strip, in which the temperature control can be influenced between the finishing stands Fi and Fi+1 using a rapid heating device (induction heater), characterized in that the distance between the stands Fi and Fi+1, between which a rapid heating device is arranged, is 5 to 25 m, and in addition to an induction heater, a roller flattening unit (for example, roller leveller 14) and/or shears 8 and/or a driving roller pair 12 and/or a descaling sprayer 15 are arranged as additional units between the two stands. The roll stand Fi and/or regions in front of the roll stand Fi further comprise actuators for influencing the strip warping and/or strip turn-up/ -down (ski) at the strip head.

IPC 8 full level

**B21B 45/00** (2006.01)

CPC (source: EP US)

**B21B 45/00** (2013.01 - US); **B21B 45/004** (2013.01 - EP US); **B21B 45/06** (2013.01 - US); **B21B 1/463** (2013.01 - EP US); **B21B 45/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2012080368A1

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

DOCDB simple family (publication)

**WO 2012080368 A1 20120621**; CN 103249506 A 20130814; CN 103249506 B 20161026; DE 102010063279 A1 20120621; EP 2651578 A1 20131023; EP 2651578 B1 20150128; EP 2651578 B2 20220216; RU 2013132544 A 20150127; RU 2552802 C2 20150610; US 2013263634 A1 20131010

DOCDB simple family (application)

**EP 2011072815 W 20111214**; CN 201180060650 A 20111214; DE 102010063279 A 20101216; EP 11799672 A 20111214; RU 2013132544 A 20111214; US 201113993101 A 20111214