

Title (en)

METHOD AND PRODUCTION LINE FOR PRODUCING A COLD ROLLED FLAT STEEL PRODUCT FROM A RUSTPROOF STEEL

Title (de)

VERFAHREN UND PRODUKTIONSLINIE ZUM HERSTELLEN EINES KALTGEWALZTEN STAHLFLACHPRODUKTS AUS EINEM NICHT ROSTENDEN STAHL

Title (fr)

PROCÉDÉ ET CHAÎNE DE PRODUCTION DESTINÉS À FABRIQUER UN PRODUIT PLAT EN ACIER LAMINÉ À FROID À PARTIR D'UN ACIER INOXYDABLE

Publication

EP 2591128 A1 20130515 (DE)

Application

EP 11738649 A 20110701

Priority

- DE 102010026757 A 20100709
- EP 2011061155 W 20110701

Abstract (en)

[origin: WO2012004205A1] The invention relates to a method and to a correspondingly designed production line (1) for producing a cold rolled flat steel product (E) from a scale coated hot strip (W) made of a rustproof steel. In the course of the method according to the invention, the hot strip (W) coated with scale is cold rolled to form the flat steel product, the cold rolled flat steel product (E) is annealed, and the annealed flat steel product (E) is descaled. According to the invention, the cold rolled flat steel product (E) obtained after cold rolling the hot strip (W) is subjected to a descaling treatment in the hard rolled state prior to annealing, wherein the scale present on the cold rolled flat steel product (E) is mechanically removed. In this manner, methods and production lines can be implemented, by means of which it is possible to produce cold rolled flat steel products from rustproof steel having improved surface finish in a cost-effective manner.

IPC 8 full level

C21D 8/02 (2006.01); **B21B 3/02** (2006.01); **B21B 45/06** (2006.01)

CPC (source: EP KR US)

B21B 3/02 (2013.01 - KR); **B21B 45/06** (2013.01 - KR); **B21D 35/00** (2013.01 - US); **C21D 8/02** (2013.01 - KR); **C21D 8/0226** (2013.01 - EP US); **C21D 8/0236** (2013.01 - EP US); **C21D 8/0273** (2013.01 - EP US); **C21D 8/0278** (2013.01 - EP US); **B21B 3/02** (2013.01 - EP US); **B21B 45/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2012004205A1

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)

DE 102010026757 A1 20120112; **DE 102010026757 B4 20120705**; AU 2011275945 A1 20130124; BR 112013000536 A2 20160524; EP 2591128 A1 20130515; JP 2013536082 A 20130919; KR 20130027051 A 20130314; RU 2013105473 A 20140820; RU 2562599 C2 20150910; TW 201211269 A 20120316; US 2013205855 A1 20130815; WO 2012004205 A1 20120112; ZA 201300198 B 20130925

DOCDB simple family (application)

DE 102010026757 A 20100709; AU 2011275945 A 20110701; BR 112013000536 A 20110701; EP 11738649 A 20110701; EP 2011061155 W 20110701; JP 2013519019 A 20110701; KR 20137003486 A 20110701; RU 2013105473 A 20110701; TW 100124228 A 20110708; US 201113809060 A 20110701; ZA 201300198 A 20130108