

Title (en)

MANUFACTURING GALVANNEALED SHEETS BY HEAT-TREATING ELECTROLYTICALLY FINISHED SHEETS

Title (de)

HERSTELLUNG VON GALVANNEALED-BLECHEN DURCH WÄRMEBEHANDLUNG ELEKTROLYTISCH VEREDELTER BLECHE

Title (fr)

RÉALISATION DE TÔLES RECUITES APRÈS GALVANISATION PAR TRAITEMENT THERMIQUE DE TÔLES REVÊTUE PAR VOIE ÉLECTROLYTIQUE

Publication

EP 2496721 B1 20150617 (DE)

Application

EP 10751954 A 20100913

Priority

- DE 102009051673 A 20091103
- EP 2010063351 W 20100913

Abstract (en)

[origin: WO2011054571A1] The invention relates to a process for producing A steel strip having a cathodic anti-corrosion coating, wherein the steel strip is hot-rolled and then cold-rolled, wherein the steel strip is subjected to electrolytic galvanizing and, following the electrolytic galvanizing, is heat-treated in a hood-type annealing furnace at temperatures ranging from 250 °C to 350 °C for a time period of 4 to 48 hours and, as a result, a zinc-iron layer is produced.

IPC 8 full level

C21D 6/00 (2006.01); **C21D 1/673** (2006.01); **C21D 1/70** (2006.01); **C21D 1/72** (2006.01); **C21D 8/02** (2006.01); **C21D 8/04** (2006.01); **C21D 9/663** (2006.01); **C23C 28/02** (2006.01); **C25D 3/22** (2006.01); **C25D 5/36** (2006.01); **C25D 5/50** (2006.01); **C25D 7/06** (2006.01)

CPC (source: EP US)

C21D 1/70 (2013.01 - EP US); **C21D 1/72** (2013.01 - EP US); **C21D 8/0478** (2013.01 - EP US); **C21D 9/663** (2013.01 - EP US); **C23C 28/02** (2013.01 - EP US); **C23C 28/021** (2013.01 - EP US); **C23C 28/025** (2013.01 - EP US); **C25D 5/36** (2013.01 - EP US); **C25D 5/50** (2013.01 - EP US); **C25D 7/0614** (2013.01 - EP US); **C21D 2221/00** (2013.01 - EP US); **C25D 3/22** (2013.01 - EP US)

Citation (examination)

US 4847169 A 19890711 - SAKAI NOBUHIKO [JP], et al

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 102009051673 B3 20110414; CN 102712961 A 20121003; EP 2496721 A1 20120912; EP 2496721 B1 20150617; EP 2496721 B8 20150826; JP 2013510233 A 20130321; KR 20130004234 A 20130109; US 2012279868 A1 20121108; WO 2011054571 A1 20110512

DOCDB simple family (application)

DE 102009051673 A 20091103; CN 201080049646 A 20100913; EP 10751954 A 20100913; EP 2010063351 W 20100913; JP 2012535712 A 20100913; KR 20127011679 A 20100913; US 201013505253 A 20100913