

Title (en)

METHOD FOR PRODUCING A STEEL SHEET PROTECTED AGAINST CORROSION

Title (de)

VERFAHREN ZUM HERSTELLEN EINES KORROSIONSGESCHÜTZTEN STAHLBLECHS

Title (fr)

PROCEDE POUR PRODUIRE UNE PLAQUE DE METAL EN ACIER RESISTANT A LA CORROSION

Publication

EP 1805342 A1 20070711 (DE)

Application

EP 05796770 A 20051024

Priority

- EP 2005011387 W 20051024
- DE 102004052482 A 20041028

Abstract (en)

[origin: WO2006045570A1] The invention relates to a method for producing a steel sheet (1) which is protected against corrosion and coated with an organic coating agent. According to said method, the steel sheet (1) protected against corrosion by means of a zinc or zinc alloy coating is coated in a vacuum with at least one additional metal or metal alloy, subjected to a thermal diffusion treatment, and then cooled. The inventive method is characterised in that the steel sheet is cooled by an aqueous cooling medium.

IPC 8 full level

C23C 2/26 (2006.01); **C23C 2/06** (2006.01); **C23C 14/58** (2006.01); **C25D 3/22** (2006.01); **C25D 5/50** (2006.01)

CPC (source: EP US)

C23C 2/06 (2013.01 - EP US); **C23C 2/26** (2013.01 - EP US); **C23C 2/28** (2013.01 - EP US); **C23C 2/29** (2022.08 - EP US); **C23C 14/5806** (2013.01 - EP US); **C25D 5/50** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006045570 A1 20060504; AU 2005298896 A1 20060504; BR PI0517630 A 20081014; CN 101133178 A 20080227; DE 102004052482 A1 20060511; EP 1805342 A1 20070711; JP 2008518100 A 20080529; US 2009098295 A1 20090416; US 2010040783 A9 20100218

DOCDB simple family (application)

EP 2005011387 W 20051024; AU 2005298896 A 20051024; BR PI0517630 A 20051024; CN 200580037194 A 20051024; DE 102004052482 A 20041028; EP 05796770 A 20051024; JP 2007538319 A 20051024; US 57798105 A 20051024