

Title (en)

METHOD FOR COATING A STEEL SUBSTRATE, AND COATED STEEL SUBSTRATE

Title (de)

VERFAHREN ZUR BESCHICHTUNG EINES STAHLSUBSTRATS UND BESCHICHTETES STAHLSUBSTRAT

Title (fr)

PROCÉDÉ DE REVÊTEMENT D UN SUBSTRAT EN ACIER, ET SUBSTRAT EN ACIER RECOUVERT

Publication

EP 2321069 B1 20171101 (EN)

Application

EP 09772154 A 20090701

Priority

- EP 2009004743 W 20090701
- EP 08104645 A 20080704
- US 7851508 P 20080707
- EP 08017591 A 20081007
- EP 09772154 A 20090701

Abstract (en)

[origin: WO2010000454A1] The invention relates to a method for coating a steel substrate, wherein pickle hot rolled strip steel, cold rolled steel strip or zinc-coated strip steel material has been provided with a lubricant for corrosion protection before shipping and/or storing, and wherein the lubricated strip material is worked and/or formed to manufacture the steel substrate, and before and/or after the working and/or forming the steel substrate is coated with a paint system. According to the invention, the steel substrate is coated while the lubricant remains on the steel. The invention also relates to a steel substrate produced in accordance with the method of the invention, wherein the substrate has been provided with a coating comprising a lubricant and a paint.

IPC 8 full level

B05D 7/14 (2006.01)

CPC (source: EP)

B05D 7/14 (2013.01); **B05D 2202/10** (2013.01); **B05D 2252/00** (2013.01); **B05D 2701/00** (2013.01)

Citation (examination)

- EP 0577486 A1 19940105 - LORRAINE LAMINAGE [FR]
- US 2006233955 A1 20061019 - SMITH NOEL [US], et al
- WO 2008110480 A1 20080918 - CHEMETALL GMBH [DE], et al
- "chemcoater first class line does it all", COILWORLD, March 2005 (2005-03-01)
- G.BERRANGER, G.HENRY, G.SANZ: "the book of steel", 1996, LAVOISIER PUBLISHING, paris, ISBN: 2-7430-0022-8

Designated contracting state (EPC)

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 TR

DOCDB simple family (publication)

WO 2010000454 A1 20100107; EP 2321069 A1 20110518; EP 2321069 B1 20171101; ES 2647563 T3 20171222; ZA 201100323 B 20120328

DOCDB simple family (application)

EP 2009004743 W 20090701; EP 09772154 A 20090701; ES 09772154 T 20090701; ZA 201100323 A 20110112