

Title (en)  
METHOD FOR PRODUCING AN ENAMELLED STEEL SUBSTRATE

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES LACKIERTEN STAHLSUBSTRATS

Title (fr)  
PROCÉDÉ DE FABRICATION D'UN SUBSTRAT D'ACIER ÉMAILLÉ

Publication  
**EP 2238279 B1 20180307 (EN)**

Application  
**EP 09701092 A 20090109**

Priority  

- EP 2009050214 W 20090109
- EP 08150162 A 20080110
- EP 09701092 A 20090109

Abstract (en)  
[origin: WO2009087217A1] The present invention is related to a method for producing an enamelled steel substrate, said method comprising the steps of : - providing a steel substrate, - applying to a surface of said steel substrate a solution comprising a solvent, a polymer precursor, and at least one metal or metal oxide, said metal or metal oxide being suitable for promoting the adhesion of an enamel layer to the surface of the steel substrate, - curing said steel sheet, thereby removing said solvent, and forming an organic layer comprising said at least one metal or metal oxide, - applying to said organic layer, an enamel layer, followed by a firing step, to obtain the enamelled steel substrate.

IPC 8 full level  
**C23D 3/00** (2006.01)

CPC (source: EP KR US)  
**C23D 3/00** (2013.01 - EP KR US); **C23D 5/005** (2013.01 - KR); **C23D 7/00** (2013.01 - KR); **C23D 11/00** (2013.01 - KR)

Citation (examination)  

- WO 2005119359 A2 20051215 - NANOPHASE TECH CORP [US]
- GB 2395450 A 20040526 - KOBE STEEL LTD [JP]

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EP3470549A4

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

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**WO 2009087217 A1 20090716**; BR PI0905654 A2 20150707; BR PI0905654 B1 20191112; CA 2711580 A1 20090716; CA 2711580 C 20151006; CN 101952483 A 20110119; CN 101952483 B 20141217; EA 018759 B1 20131030; EA 201000961 A1 20110228; EP 2238279 A1 20101013; EP 2238279 B1 20180307; ES 2669588 T3 20180528; KR 101707447 B1 20170216; KR 20100113101 A 20101020; KR 20150092364 A 20150812; MX 2010007570 A 20101122; PL 2238279 T3 20180831; SI 2238279 T1 20180629; TR 201807362 T4 20180621; UA 100712 C2 20130125; US 2011008537 A1 20110113; ZA 201004943 B 20111228

DOCDB simple family (application)  
**EP 2009050214 W 20090109**; BR PI0905654 A 20090109; CA 2711580 A 20090109; CN 200980101743 A 20090109; EA 201000961 A 20090109; EP 09701092 A 20090109; ES 09701092 T 20090109; KR 20107017186 A 20090109; KR 20157020514 A 20090109; MX 2010007570 A 20090109; PL 09701092 T 20090109; SI 200931832 T 20090109; TR 201807362 T 20090109; UA A201008572 A 20090109; US 81214009 A 20090109; ZA 201004943 A 20100713