

Title (en)
METHOD FOR THE PRODUCTION OF A COATED METAL SHEET, COMPRISING THE APPLICATION OF AN AQUEOUS SOLUTION CONTAINING AN AMINO ACID, AND ASSOCIATED USE IN ORDER TO IMPROVE CORROSION RESISTANCE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES BESCHICHTETEN BLECHS MIT ANWENDUNG EINER WÄSSRIGEN LÖSUNG MIT AMINOSÄURE, UND ZUGEHÖRIGE VERWENDUNG ZUR VERBESSERUNG DER KORROSIONSBESTÄNDIGKEIT

Title (fr)
PROCÉDÉ DE PRÉPARATION D'UNE TÔLE REVÊTUE COMPRENANT L'APPLICATION D'UNE SOLUTION AQUEUSE COMPRENANT UN AMINOACIDE ET UTILISATION ASSOCIÉE POUR AMÉLIORER LA RÉSISTANCE À LA CORROSION

Publication
EP 3250730 A1 20171206 (FR)

Application
EP 16704480 A 20160201

Priority
• IB 2015050722 W 20150130
• IB 2016050506 W 20160201

Abstract (en)
[origin: WO2016120669A1] The invention relates to a method for the production of a coated metal sheet, comprising the application of an aqueous solution containing an amino acid, and associated use in order to improve corrosion resistance. More specifically, the invention relates to a method for the production of a metal sheet (1), comprising at least the steps of: providing a steel substrate (3) having two faces (5), of which at least one is coated with a metal coating (7) including at least 40 wt.-% zinc; and applying an aqueous solution containing an amino acid to the outer surface (15) of the metal coating (7). The invention also relates to the resulting sheet.

IPC 8 full level
C23C 22/05 (2006.01); **C23C 2/06** (2006.01); **C23C 2/26** (2006.01); **C23C 22/78** (2006.01); **C23C 22/82** (2006.01); **C23F 11/14** (2006.01)

CPC (source: CN EP KR US)
C23C 2/06 (2013.01 - CN EP KR US); **C23C 2/26** (2013.01 - CN EP KR US); **C23C 22/05** (2013.01 - CN EP KR US); **C23C 22/68** (2013.01 - KR); **C23C 22/78** (2013.01 - CN KR); **C23C 22/82** (2013.01 - KR); **C23C 28/00** (2013.01 - KR); **C23F 11/14** (2013.01 - US); **C23F 11/144** (2013.01 - CN EP KR US); **C25D 3/22** (2013.01 - KR US); **C25D 5/48** (2013.01 - KR US); **C23C 22/78** (2013.01 - EP US); **Y10T 428/12556** (2015.01 - US)

Citation (search report)
See references of WO 2016120855A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016120669 A1 20160804; BR 112017015696 A2 20180320; BR 112017015696 B1 20220405; CA 2975370 A1 20160804; CA 2975370 C 20230418; CN 107208273 A 20170926; CN 107208273 B 20200306; EP 3250730 A1 20171206; EP 3250730 B1 20190123; EP 3250730 B8 20190626; ES 2713752 T3 20190523; HU E042791 T2 20190729; JP 2018503748 A 20180208; JP 6784680 B2 20201111; KR 102604333 B1 20231120; KR 20170107466 A 20170925; PL 3250730 T3 20190628; TR 201905111 T4 20190521; US 11060174 B2 20210713; US 11236413 B2 20220201; US 2018023177 A1 20180125; US 2020040438 A1 20200206; WO 2016120855 A1 20160804

DOCDB simple family (application)
IB 2015050722 W 20150130; BR 112017015696 A 20160201; CA 2975370 A 20160201; CN 201680007513 A 20160201; EP 16704480 A 20160201; ES 16704480 T 20160201; HU E16704480 A 20160201; IB 2016050506 W 20160201; JP 2017540077 A 20160201; KR 20177021269 A 20160201; PL 16704480 T 20160201; TR 201905111 T 20160201; US 201615546262 A 20160201; US 201916653183 A 20191015