

Title (en)  
CHEMICAL CONVERSION TREATED STEEL PLATE, AND METHOD FOR PRODUCING CHEMICAL CONVERSION TREATED STEEL PLATE

Title (de)  
MITTELS CHEMISCHER UMWANDLUNG BEHANDELTE STAHLPLATTE UND VERFAHREN ZUR HERSTELLUNG EINER MITTELS  
CHEMISCHER UMWANDLUNG BEHANDELTEN STAHLPLATTE

Title (fr)  
PLAQUE D'ACIER TRAITÉE PAR CONVERSION CHIMIQUE ET PROCÉDÉ DE PRODUCTION D'UNE PLAQUE D'ACIER TRAITÉE PAR  
CONVERSION CHIMIQUE

Publication  
**EP 3434813 A1 20190130 (EN)**

Application  
**EP 16895336 A 20160322**

Priority  
JP 2016058899 W 20160322

Abstract (en)  
A chemical treatment steel sheet contains: a steel sheet; a plated layer containing Ni and formed on at least one surface of the steel sheet; a chemical treatment layer containing a Zr compound in which an amount of Zr contained therein is 1.0 to 150 mg/m<sup>2</sup>, a phosphate compound in which an amount of P contained therein is 1.0 to 100 mg/m<sup>2</sup>, and an Al compound in which an amount of Al contained therein is 0.10 to 30.0 mg/m<sup>2</sup>. The plated layer is a Ni-plated layer containing Ni in which an amount of Ni contained therein is 5.0 to 3000 mg/m<sup>2</sup> or a composite plated layer containing Ni in which an amount of Ni contained therein is 2.0 to 200 mg/m<sup>2</sup> and Sn in which an amount of Sn contained therein is 0.10 to 10.0 g/m<sup>2</sup> and having an island-shaped Sn-plated layer formed on a Fe-Ni-Sn alloy layer.

IPC 8 full level  
**C23C 22/36** (2006.01); **C23C 28/00** (2006.01); **C25D 9/08** (2006.01)

CPC (source: EP KR US)  
**C23C 22/20** (2013.01 - KR); **C23C 22/361** (2013.01 - EP KR); **C23C 28/00** (2013.01 - EP US); **C23C 28/321** (2013.01 - KR US);  
**C23C 28/34** (2013.01 - KR); **C23C 28/345** (2013.01 - US); **C25D 3/562** (2013.01 - US); **C25D 5/12** (2013.01 - EP US);  
**C25D 5/48** (2013.01 - EP US); **C25D 5/505** (2013.01 - EP); **C25D 7/0614** (2013.01 - EP); **C25D 9/08** (2013.01 - EP); **C25D 9/10** (2013.01 - EP);  
**C25D 11/36** (2013.01 - EP US); **C23C 22/20** (2013.01 - EP)

Cited by  
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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)  
**EP 3434813 A1 20190130**; **EP 3434813 A4 20191113**; CN 108779570 A 20181109; JP 6583538 B2 20191002; JP WO2017163298 A1 20190131;  
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**EP 16895336 A 20160322**; CN 201680083802 A 20160322; JP 2016058899 W 20160322; JP 2018506646 A 20160322;  
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