

Title (en)
SUPER HIGH STRENGTH PLATED STEEL SHEET HAVING TENSILE STRENGTH OF 1300 MPA OR MORE, AND MANUFACTURING METHOD THEREFOR

Title (de)
PLATTIERTES STAHLBLECH MIT EXTREM HOHER FESTIGKEIT MIT ZUGFESTIGKEIT VON 1300 MPA ODER MEHR UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
FEUILLE D'ACIER PLAQUÉE À TRÈS HAUTE RÉSISTANCE AYANT UNE RÉSISTANCE À LA TRACTION DE 1 300 MPA OU PLUS ET SON PROCÉDÉ DE FABRICATION

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Application
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Abstract (en)
[origin: EP3243923A1] The present invention relates to a super high strength plated steel sheet used in a vehicle, etc. and, more specifically, to a super high strength plated steel sheet having a tensile strength of 1300 MPa or more, and a manufacturing method therefor. According to the present invention, it is possible to provide a super high strength plated steel sheet in which cracks on an edge portion do not occur after slitting and coiling processes.

IPC 8 full level
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Citation (search report)

- [XAY] KR 20130056052 A 20130529 - POSCO [KR]
- [XA] US 2014234657 A1 20140821 - AZUMA MASAFUMI [JP], et al
- [XA] US 2014377584 A1 20141225 - HASEGAWA HIROSHI [JP], et al
- [XA] JP 2012229466 A 20121122 - JFE STEEL CORP
- [YA] US 2011198002 A1 20110818 - NAKAGAITO TATSUYA [JP], et al
- [A] US 2014234658 A1 20140821 - NOZAKI TAKAYUKI [JP], et al
- [A] US 2014227556 A1 20140814 - SATO KOICHI [JP], et al
- [A] ZHILI ; FENG: "Permeation, Diffusion, Solubility Measurements: Results and Issues", 25 September 2007 (2007-09-25), XP055401727, Retrieved from the Internet <URL:https://energy.gov/sites/prod/files/2014/03/f10/pipeline_group_feng_ms.pdf> [retrieved on 20170828]
- [A] HANS JÜRGEN GRABKE ET AL: "ABSORPTION AND DIFFUSION OF HYDROGEN IN STEELS ABSORPCIJA IN DIFUZIJA VODIKA V JEKLIH", MATERIALS TECHNOLOGY, 1 June 2000 (2000-06-01), pages 331 - 342, XP055401736, Retrieved from the Internet <URL:http://mit.imt.si/Revija/izvodi/mit006/grabke.pdf> [retrieved on 20170828]
- See references of WO 2016111388A1

Cited by
EP3754043A4; EP3757243A4; EP3741878A4; US11530463B2; US11795531B2; US11427880B2; JP6525114B1; EP3719157A4; US11408059B2; WO2019106894A1; JP2019099922A; JP6544494B1; EP3719156A4; CN114645219A; WO2019106895A1

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