

## Title (en)

HIGH STRENGTH STEEL SHEET HAVING EXCELLENT RESISTANCE TO POST WELD HEAT TREATMENT AND METHOD FOR MANUFACTURING SAME

## Title (de)

HOCHFESTES STAHLBLECH MIT AUSGEZEICHNETER RESISTENZ GEGEN EINE NACH DEM SCHWEISSEN ERFOLGENDE WÄRMEBEHANDLUNG SOWIE VERFAHREN ZU DESSEN HERSTELLUNG

## Title (fr)

FEUILLARD D'ACIER À RÉSISTANCE MÉCANIQUE ÉLEVÉE AYANT UNE EXCELLENTE RÉSISTANCE AU TRAITEMENT THERMIQUE POST-SOUDAGE ET SON PROCÉDÉ DE FABRICATION

## Publication

**EP 2520680 B1 20161026 (EN)**

## Application

**EP 10841182 A 20101222**

## Priority

- KR 20090132129 A 20091228
- KR 2010009225 W 20101222

## Abstract (en)

[origin: EP2520680A2] Provided are a steel sheet having excellent Post Weld Heat Treatment (PWHT) resistance of which strength and toughness are not deteriorated even after performing PWHT for a lengthy period of time, and a method for manufacturing the steel sheet. The steel sheet has a composition comprising by weight percent: 0.1 to 0.3% of C; 0.15 to 0.50% of Si; 0.6 to 1.2% of Mn; 0.035% or less of P; 0.020% or less of S; 0.001 to 0.05% of Al; 0.01 to 0.35% of Cr; 0.005 to 0.2% of Mo; 0.005 to 0.05% of V; 0.001 to 0.05% of Nb; 0.001 to 0.05% of Ti; 0.0005 to 0.005% of Ca; 0.05 to 0.5% of Ni; one or more selected from the group consisting of 0.005 to 0.5% of Cu, 0.005 to 0.2% of Co and 0.005 to 0.2% of W; and Fe as well as unavoidable impurities.

## IPC 8 full level

**C22C 38/00** (2006.01); **B21B 1/22** (2006.01); **B21B 3/02** (2006.01); **C21D 8/02** (2006.01)

## CPC (source: EP KR)

**C21D 8/0226** (2013.01 - EP KR); **C22C 38/002** (2013.01 - EP KR); **C22C 38/02** (2013.01 - EP KR); **C22C 38/04** (2013.01 - EP KR); **C22C 38/06** (2013.01 - EP); **C22C 38/44** (2013.01 - EP KR); **C22C 38/46** (2013.01 - EP KR); **C22C 38/48** (2013.01 - EP KR); **C22C 38/50** (2013.01 - EP KR); **C21D 9/50** (2013.01 - EP); **C21D 2211/004** (2013.01 - EP KR); **C21D 2211/005** (2013.01 - EP KR); **C21D 2211/009** (2013.01 - EP KR)

## Citation (opposition)

Opponent : Herzog Fiesser & Partner Patentanwälte PartG mbB

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## 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

## DOCDB simple family (publication)

**EP 2520680 A2 20121107**; **EP 2520680 A4 20141119**; **EP 2520680 B1 20161026**; CN 102782169 A 20121114; CN 102782169 B 20141119; JP 2013515861 A 20130509; JP 5657026 B2 20150121; KR 101322067 B1 20131025; KR 20110075630 A 20110706; WO 2011081350 A2 20110707; WO 2011081350 A3 20111117

## DOCDB simple family (application)

**EP 10841182 A 20101222**; CN 201080064894 A 20101222; JP 2012546997 A 20101222; KR 20090132129 A 20091228; KR 2010009225 W 20101222