

Title (en)
HIGH-STRENGTH HIGH-DUCTILITY STEEL SHEET

Title (de)
HOCHFESTES KALTGEWALZTES STAHLBLECH

Title (fr)
TÔLE D'ACIER À HAUTE RÉSISTANCE ET À HAUTE DUCTILITÉ

Publication
EP 3225708 A4 20180502 (EN)

Application
EP 15862199 A 20151125

Priority

- JP 2014238710 A 20141126
- JP 2015083078 W 20151125

Abstract (en)
[origin: EP3225708A1] A high-strength, high-ductility steel sheet including a characteristic alloy component, the steel structure thereof including 8 area% residual austenite with respect to the entire structure, the remainder being one or more of bainite, martensite, tempering bainite, and tempering martensite, and the average carbon concentration and the standard deviation of the carbon concentration distribution in the residual austenite each being in a specific range.

IPC 8 full level
C21D 1/20 (2006.01); **C21D 6/00** (2006.01); **C21D 8/00** (2006.01); **C21D 8/02** (2006.01); **C21D 8/04** (2006.01); **C21D 9/46** (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/08** (2006.01); **C22C 38/12** (2006.01); **C22C 38/14** (2006.01); **C22C 38/16** (2006.01); **C22C 38/18** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP KR US)
C21D 1/20 (2013.01 - EP US); **C21D 8/005** (2013.01 - EP US); **C21D 8/0205** (2013.01 - EP US); **C21D 8/0226** (2013.01 - EP US); **C21D 8/0236** (2013.01 - EP US); **C21D 8/0247** (2013.01 - EP US); **C21D 8/04** (2013.01 - EP US); **C21D 8/0405** (2013.01 - EP US); **C21D 8/0421** (2013.01 - EP US); **C21D 8/0447** (2013.01 - EP US); **C21D 9/46** (2013.01 - EP KR US); **C22C 38/00** (2013.01 - EP US); **C22C 38/002** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP KR US); **C22C 38/04** (2013.01 - EP KR US); **C22C 38/06** (2013.01 - EP KR US); **C22C 38/08** (2013.01 - EP US); **C22C 38/12** (2013.01 - EP US); **C22C 38/14** (2013.01 - EP US); **C22C 38/16** (2013.01 - EP US); **C22C 38/18** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP KR US); **C21D 6/005** (2013.01 - EP US); **C21D 6/008** (2013.01 - EP US); **C21D 8/0426** (2013.01 - EP US); **C21D 8/0436** (2013.01 - EP US); **C21D 2211/001** (2013.01 - KR); **C21D 2211/002** (2013.01 - EP US); **C21D 2211/008** (2013.01 - EP US)

Citation (search report)

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- [I] WO 2013146087 A1 20131003 - KOBE STEEL LTD [JP] & US 2015101712 A1 20150416 - FUTAMURA YUICHI [JP], et al
- [I] US 2011186189 A1 20110804 - FUTAMURA YUICHI [JP]
- [A] YUN-CHUL JUNG ET AL: "Morphology and growth process of bainitic ferrite in steels", METALS AND MATERIALS (INSTITUTE OF METALS), vol. 4, no. 2, 1 March 1998 (1998-03-01), pages 125 - 134, XP055458188, ISSN: 1225-9438, DOI: 10.1007/BF03026029
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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

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