Title (en)

HIGH-STRENGTH, HIGHLY WORKABLE STEEL SHEET, AND METHOD FOR MANUFACTURING SAME

Title (de)

HOCHFESTES, LEICHT ZU VERARBEITENDES STAHLBLECH UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

TÔLE D'ACIER FACILEMENT FAÇONNABLE, DE RÉSISTANCE ÉLEVÉE, ET SON PROCÉDÉ DE FABRICATION

Publication

EP 2835438 B1 20190626 (EN)

Application

EP 13773084 A 20130403

Priority

- JP 2012087940 A 20120406
- JP 2013060175 W 20130403

Abstract (en)

[origin: EP2835438A1] A high strength and high formability steel sheet contains, by mass% of the steel sheet: greater than 0.020% and less than 0.040% of C; not less than 0.003% and not greater than 0.100% of Si; not less than 0.10% and not greater than 0.60% of Mn; not less than 0.001% and not greater than 0.100% of P; not less than 0.001% and not greater than 0.020% of S; not less than 0.005% and not greater than 0.100% of Al; and greater than 0.0130% and not greater than 0.0170% of N, wherein a remainder is Fe and inevitable impurities, and the steel sheet has: a tensile strength in a rolling direction of not lower than 520 MPa; an Erichsen value of not less than 5.0 mm; and a resin film layer at least on a side to be an inner surface of a can.

IPC 8 full level

C21D 8/02 (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); **C25D 5/48** (2006.01); **C25D 7/06** (2006.01); B22D 11/00 (2006.01)

CPC (source: EP KR US)

B21B 3/00 (2013.01 - EP US); **B65D 25/14** (2013.01 - EP KR US); **C21D 1/26** (2013.01 - US); **C21D 8/0226** (2013.01 - KR US); **C21D 8/0236** (2013.01 - KR); **C21D 8/0247** (2013.01 - EP US); **C21D 8/0263** (2013.01 - KR US); **C21D 8/0268** (2013.01 - EP KR US); **C21D 8/0284** (2013.01 - EP KR US); **C21D 9/46** (2013.01 - EP KR US); **C22C 38/00** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP KR 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); **C25D 5/36** (2013.01 - KR US); **C25D 5/48** (2013.01 - EP KR US); **C25D 7/0614** (2013.01 - EP US); B05D 2202/10 (2013.01 - EP US); B05D 2701/10 (2013.01 - EP US); B22D 11/00 (2013.01 - EP US); C21D 8/0236 (2013.01 - EP US); C21D 2251/00 (2013.01 - KR US); Y10T 428/263 (2015.01 - EP US); Y10T 428/31678 (2015.04 - EP US)

Citation (examination)

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DOCDB simple family (application)

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