

Title (en)
STEEL SHEET

Title (de)
STAHLBLECH

Title (fr)
TÔLE D'ACIER

Publication
EP 3342891 A4 20190313 (EN)

Application
EP 15902194 A 20150821

Priority
JP 2015073490 W 20150821

Abstract (en)
[origin: EP3342891A1] A steel sheet includes: a predetermined chemical composition; and a steel structure containing, in are a fraction, 2% or more of ferrite and bainite, in whi ch an average dislocation density in the ferrite and an average dislocation density in the bainite are bot h 3×10^{12} m/m³ to 1×10^{14} m/m³, and an average grai n diameter of the ferrite and the bainite is 5 μ m or less.

IPC 8 full level
C22C 38/00 (2006.01); **C21D 8/02** (2006.01); **C21D 9/46** (2006.01); **C22C 38/14** (2006.01); **C22C 38/28** (2006.01); **C22C 38/32** (2006.01); **C22C 38/58** (2006.01); **C23C 2/02** (2006.01); **C23C 2/40** (2006.01); **C23F 17/00** (2006.01); **C25D 5/36** (2006.01)

CPC (source: EP KR US)
C21D 8/0226 (2013.01 - EP US); **C21D 8/0236** (2013.01 - EP US); **C21D 8/0263** (2013.01 - EP US); **C21D 8/0278** (2013.01 - EP US); **C21D 9/46** (2013.01 - EP US); **C22C 38/00** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/002** (2013.01 - EP US); **C22C 38/005** (2013.01 - EP US); **C22C 38/008** (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 US); **C22C 38/08** (2013.01 - EP US); **C22C 38/12** (2013.01 - EP KR US); **C22C 38/14** (2013.01 - EP US); **C22C 38/16** (2013.01 - EP US); **C22C 38/28** (2013.01 - EP US); **C22C 38/32** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP US); **C23C 2/02** (2013.01 - EP KR US); **C23C 2/0224** (2022.08 - EP KR US); **C23C 2/024** (2022.08 - EP KR US); **C23C 2/40** (2013.01 - US); **C23F 17/00** (2013.01 - US); **C25D 5/36** (2013.01 - US); **C21D 2211/002** (2013.01 - EP KR US); **C21D 2211/005** (2013.01 - EP KR US); **C21D 2211/008** (2013.01 - EP US)

Citation (search report)
• [X] EP 2757171 A1 20140723 - JFE STEEL CORP [JP]
• [X] JP 2015117404 A 20150625 - JFE STEEL CORP
• [A] EP 2873746 A1 20150520 - KOBE STEEL LTD [JP]
• [A] EP 2821517 A1 20150107 - KOBE STEEL LTD [JP]

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EP 3342891 A1 20180704; **EP 3342891 A4 20190313**; **EP 3342891 B1 20211013**; BR 112018003267 A2 20180925; CN 107923007 A 20180417; CN 107923007 B 20200505; JP WO2017033222 A1 20180712; KR 102132205 B1 20200710; KR 20180038030 A 20180413; MX 2018002142 A 20180618; US 2018237881 A1 20180823; WO 2017033222 A1 20170302

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