

Title (en)  
HOT-ROLLED STEEL SHEET

Title (de)  
WARMGEWALZTES STAHLBLECH

Title (fr)  
TÔLE D'ACIER LAMINÉE À CHAUD

Publication  
**EP 3260566 A4 20180912 (EN)**

Application  
**EP 15882647 A 20150220**

Priority  
JP 2015054860 W 20150220

Abstract (en)  
[origin: EP3260566A1] A hot-rolled steel sheet includes a predetermined chemical composition, and a structure which includes, by area ratio, ferrite and bainite in a range of 75% to 95% in total, and martensite in a range of 5% to 20%, in which in the structure, in a case where a boundary having an orientation difference of equal to or greater than 15° is set as a grain boundary, and an area which is surrounded by the grain boundary, and has an equivalent circle diameter of equal to or greater than 0.3 μm is defined as a grain, the ratio of the grains having an intragranular orientation difference in a range of 5° to 14° is, by area ratio, in a range of 10% to 60%.

IPC 8 full level  
**C22C 38/00** (2006.01); **C21D 6/00** (2006.01); **C21D 8/02** (2006.01); **C21D 9/46** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/08** (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 6/001** (2013.01 - EP US); **C21D 6/002** (2013.01 - EP US); **C21D 6/005** (2013.01 - EP US); **C21D 6/008** (2013.01 - EP US); **C21D 8/0226** (2013.01 - EP US); **C21D 9/46** (2013.01 - EP KR 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 38/02** (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 38/14** (2013.01 - EP US); **C22C 38/16** (2013.01 - EP US); **C22C 38/18** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP US); **C21D 2211/002** (2013.01 - EP KR US); **C21D 2211/005** (2013.01 - EP KR US); **C21D 2211/008** (2013.01 - EP KR US)

Citation (search report)

- [I] EP 1149925 A1 20011031 - NIPPON KOKAN KK [JP]
- [Y] EP 1559797 A1 20050803 - JFE STEEL CORP [JP]
- [Y] EP 2088218 A1 20090812 - NIPPON STEEL CORP [JP]
- [A] EP 1350859 A1 20031008 - KAWASAKI STEEL CO [JP]
- See references of WO 2016132545A1

Designated contracting state (EPC)  
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