

Title (en)  
STEEL SHEET AND PRODUCTION METHOD THEREFOR

Title (de)  
STAHLBLECH UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
TÔLE D'ACIER ET PROCÉDÉ DE PRODUCTION S'Y RAPPORTANT

Publication  
**EP 3418415 A4 20190724 (EN)**

Application  
**EP 17752977 A 20170202**

Priority

- JP 2016026380 A 20160215
- JP 2016132915 A 20160704
- JP 2016213579 A 20161031
- JP 2017003701 W 20170202

Abstract (en)  
[origin: EP3418415A1] A steel plate according to the present disclosure contains, as composition: C: 0.005 mass% or more and 0.07 mass% or less; Si: 0 mass% or more and 0.04 mass% or less; Mn: 1.4 mass% or more and 2.0 mass% or less; P: more than 0 mass% and 0.010 mass% or less; S: more than 0 mass% and 0.007 mass% or less; Al: 0.010 mass% or more and 0.040 mass% or less; Ni: 0.1 mass% or more and 1.50 mass% or less; Cu: 0.1 mass% or more and 0.8 mass% or less; Nb: 0.004 mass% or more and 0.025 mass% or less; Ti: 0.010 mass% or more and 0.025 mass% or less; N: 0.0040 mass% or more and 0.0080 mass% or less; and Ca: 0.0005 mass% or more and 0.0030 mass% or less, with the balance being Fe and inevitable impurities, a proportion of a content of acid insoluble Ti being 0.80 or less in a content of Ti based on the composition as a whole.

IPC 8 full level  
**C21D 8/02** (2006.01); **C21D 6/02** (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 38/12** (2006.01); **C22C 38/14** (2006.01); **C22C 38/16** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP KR)  
**C21D 6/02** (2013.01 - EP); **C21D 8/021** (2013.01 - EP); **C21D 8/0226** (2013.01 - EP KR); **C21D 8/0263** (2013.01 - EP KR); **C21D 9/46** (2013.01 - EP); **C22C 38/001** (2013.01 - KR); **C22C 38/02** (2013.01 - EP KR); **C22C 38/04** (2013.01 - EP KR); **C22C 38/06** (2013.01 - EP KR); **C22C 38/08** (2013.01 - EP KR); **C22C 38/12** (2013.01 - EP KR); **C22C 38/14** (2013.01 - EP); **C22C 38/16** (2013.01 - EP KR); **C22C 38/58** (2013.01 - EP)

Citation (search report)

- [XA] JP 5320274 B2 20131023
- [A] EP 2889391 A1 20150701 - KOBELITE LTD [JP]
- [A] JP 2014214371 A 20141117 - KOBELITE LTD
- [A] JP 2011219797 A 20111104 - KOBELITE LTD
- See references of WO 2017141714A1

Designated contracting state (EPC)  
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