

Title (en)  
STEEL SHEET AND METHOD FOR PRODUCING SAME

Title (de)  
STAHLBLECH UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)  
TÔLE D'ACIER ET SON PROCÉDÉ DE PRODUCTION

Publication  
**EP 3305929 A4 20181121 (EN)**

Application  
**EP 16800074 A 20160525**

Priority  
• JP 2015106745 A 20150526  
• JP 2016065509 W 20160525

Abstract (en)  
[origin: EP3305929A1] Low carbon steel plate excellent impact resistance characteristics after carburizing and quenching and after tempering, characterized by having a predetermined chemical composition, an average grain size of carbides of 0.4  $\mu\text{m}$  to 2.0  $\mu\text{m}$ , an area ratio of pearlite of 6% or less, a ratio of a number of carbides at the ferrite grain boundaries to the number of carbides inside the ferrite grains of over 1, and a Vickers hardness of 100HV to 180HV.

IPC 8 full level  
**C22C 38/00** (2006.01); **C21D 8/02** (2006.01); **C21D 8/04** (2006.01); **C21D 9/46** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01); **C22C 38/48** (2006.01); **C22C 38/50** (2006.01); **C22C 38/54** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP KR US)  
**C21D 8/0205** (2013.01 - EP US); **C21D 8/0226** (2013.01 - KR); **C21D 8/0263** (2013.01 - KR); **C21D 8/0463** (2013.01 - EP US); **C21D 9/46** (2013.01 - EP KR 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 38/22** (2013.01 - KR); **C22C 38/28** (2013.01 - KR); **C22C 38/32** (2013.01 - KR); **C22C 38/42** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/46** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **C22C 38/54** (2013.01 - EP US); **C22C 38/60** (2013.01 - EP US); **C23G 1/08** (2013.01 - KR); **C21D 2211/005** (2013.01 - US)

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DOCDB simple family (publication)  
**EP 3305929 A1 20180411**; **EP 3305929 A4 20181121**; **EP 3305929 A9 20190717**; BR 112017024692 A2 20180724; CN 107614727 A 20180119; CN 107614727 B 20200114; JP 6119923 B1 20170426; JP WO2016190370 A1 20170615; KR 102029565 B1 20191007; KR 20170138508 A 20171215; MX 2017015016 A 20180413; TW 201708569 A 20170301; TW I604071 B 20171101; US 2018230582 A1 20180816; WO 2016190370 A1 20161201

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