

Title (en)  
STEEL SHEET

Title (de)  
STAHLBLECH

Title (fr)  
TÔLE D' ACIER

Publication  
**EP 2891727 B1 20181107 (EN)**

Application  
**EP 13832615 A 20130828**

Priority  
• JP 2012187959 A 20120828  
• JP 2013072989 W 20130828

Abstract (en)  
[origin: EP2891727A1] In a steel sheet, a cleanliness of a metal structure is 0.08% or less,  $\pm$  which is an Mn segregation degree is 1.6 or less, and a difference #Hv between a low strain formed portion that undergoes a plastic strain of 5% or less and a high strain formed portion that undergoes a plastic strain of 20% or higher in a hot forming in average hardness after the hot forming is 40 or less.

IPC 8 full level  
**C21D 1/18** (2006.01); **C21D 1/673** (2006.01); **C21D 8/02** (2006.01); **C21D 9/46** (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/06** (2006.01); **C22C 38/20** (2006.01); **C22C 38/26** (2006.01); **C22C 38/28** (2006.01); **C22C 38/32** (2006.01); **C22C 38/38** (2006.01); **C22C 38/40** (2006.01); **C22C 38/48** (2006.01); **C22C 38/50** (2006.01); **C22C 38/54** (2006.01); **C22C 38/58** (2006.01); **C23C 2/06** (2006.01); **C23C 2/12** (2006.01); **C23C 2/40** (2006.01); **C25D 5/26** (2006.01)

CPC (source: CN EP KR US)  
**C21D 1/18** (2013.01 - US); **C21D 1/673** (2013.01 - CN EP US); **C21D 8/0263** (2013.01 - US); **C22C 38/001** (2013.01 - CN EP US); **C22C 38/02** (2013.01 - CN EP US); **C22C 38/04** (2013.01 - KR); **C22C 38/06** (2013.01 - CN EP KR US); **C22C 38/20** (2013.01 - CN EP US); **C22C 38/26** (2013.01 - CN EP US); **C22C 38/28** (2013.01 - CN EP US); **C22C 38/32** (2013.01 - CN EP KR US); **C22C 38/38** (2013.01 - CN EP KR US); **C22C 38/40** (2013.01 - CN EP KR US); **C22C 38/48** (2013.01 - US); **C22C 38/50** (2013.01 - US); **C22C 38/54** (2013.01 - US); **C22C 38/58** (2013.01 - EP US); **C21D 8/02** (2013.01 - CN EP US); **C21D 9/46** (2013.01 - CN EP US); **C21D 2211/005** (2013.01 - CN EP US)

Cited by  
US10704117B2; US10941471B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2891727 A1 20150708**; **EP 2891727 A4 20160504**; **EP 2891727 B1 20181107**; BR 112015004191 A2 20170704; BR 112015004191 B1 20200324; CN 104583445 A 20150429; CN 104583445 B 20161019; ES 2707893 T3 20190405; IN 1523DEN2015 A 20150710; JP 5541428 B1 20140709; JP WO2014034714 A1 20160808; KR 101683406 B1 20161206; KR 20150038303 A 20150408; MX 2015002530 A 20150605; PL 2891727 T3 20190430; TW 201420776 A 20140601; TW I481730 B 20150421; US 2015225821 A1 20150813; WO 2014034714 A1 20140306

DOCDB simple family (application)  
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