

Title (en)

HIGH STRENGTH STEEL SHEET HAVING EXCELLENT DUCTILITY AND STRETCH FLANGEABILITY

Title (de)

HOCHFESTES STAHLBLECH MIT HERVORRAGENDER DUKTILITÄT UND STRECKBIEGBARKEIT

Title (fr)

TÔLE D'ACIER HAUTE RÉSISTANCE DOTÉE D'EXCELLENTE DUCTILITÉ ET DÉFORMABILITÉ DE BORDAGE PAR ÉTIRAGE

Publication

EP 3612650 A1 20200226 (EN)

Application

EP 18717386 A 20180419

Priority

- EP 17167303 A 20170420
- EP 2018060022 W 20180419

Abstract (en)

[origin: WO2018193032A1] This invention relates to a high strength steel sheet as hot rolled and cold rolled products useful for frame components for vehicles and automobiles such as frames for trucks, and to a method of producing the steel sheet, as well as a use thereof.

IPC 8 full level

C21D 8/02 (2006.01); **C21D 1/20** (2006.01); **C21D 9/48** (2006.01); **C22C 38/00** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/14** (2006.01)

CPC (source: EP KR US)

C21D 1/20 (2013.01 - EP KR US); **C21D 6/004** (2013.01 - US); **C21D 6/005** (2013.01 - US); **C21D 6/008** (2013.01 - US); **C21D 8/0205** (2013.01 - US); **C21D 8/0226** (2013.01 - US); **C21D 8/0236** (2013.01 - EP KR); **C21D 8/0263** (2013.01 - EP KR US); **C21D 8/0273** (2013.01 - EP KR); **C21D 9/48** (2013.01 - EP KR); **C21D 9/52** (2013.01 - US); **C22C 38/001** (2013.01 - EP KR US); **C22C 38/002** (2013.01 - EP KR US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP KR); **C22C 38/06** (2013.01 - EP KR US); **C22C 38/08** (2013.01 - EP KR); **C22C 38/12** (2013.01 - EP KR); **C22C 38/14** (2013.01 - EP KR); **C22C 38/16** (2013.01 - EP KR); **C22C 38/38** (2013.01 - EP KR); **C22C 38/42** (2013.01 - US); **C22C 38/44** (2013.01 - US); **C22C 38/46** (2013.01 - US); **C22C 38/48** (2013.01 - US); **C22C 38/50** (2013.01 - EP KR US); **C22C 38/54** (2013.01 - EP KR US); **C22C 38/58** (2013.01 - US); **C21D 2211/002** (2013.01 - EP KR US); **C21D 2211/005** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2018193032A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018193032 A1 20181025; CN 110621794 A 20191227; CN 110621794 B 20220329; EP 3612650 A1 20200226; EP 3612650 B1 20220824; KR 20190142768 A 20191227; US 2020071789 A1 20200305

DOCDB simple family (application)

EP 2018060022 W 20180419; CN 201880031584 A 20180419; EP 18717386 A 20180419; KR 20197031256 A 20180419; US 201816606530 A 20180419