

Title (en)

HIGH STRENGTH COLD ROLLED STEEL SHEET AND METHOD OF PRODUCING SUCH STEEL SHEET

Title (de)

HOCHFESTES KALTGEWALZTES STAHLBLECH UND VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN STAHLBLECHS

Title (fr)

TÔLE D'ACIER LAMINÉE À FROID À HAUTE RÉSISTANCE ACIER ET SON PROCÉDÉ DE PRODUCTION

Publication

EP 2831292 B2 20220810 (EN)

Application

EP 13713452 A 20130402

Priority

- EP 2012055913 W 20120330
- EP 2013056940 W 20130402
- EP 13713452 A 20130402

IPC 8 full level

C21D 8/00 (2006.01); **C22C 38/18** (2006.01)

CPC (source: EP)

C21D 8/00 (2013.01); **C22C 38/001** (2013.01); **C22C 38/02** (2013.01); **C22C 38/06** (2013.01); **C22C 38/20** (2013.01); **C22C 38/28** (2013.01); **C22C 38/32** (2013.01); **C22C 38/38** (2013.01); **C22C 38/42** (2013.01); **C22C 38/50** (2013.01); **C22C 38/54** (2013.01); **C22C 38/58** (2013.01)

Citation (opposition)

Opponent :

- JP 2005281787 A 20051013 - KOBE STEEL LTD
- JP 2008214752 A 20080918 - JFE STEEL KK
- WO 2011013837 A1 20110203 - JFE STEEL CORP [JP], et al
- JP 2010138458 A 20100624 - SUMITOMO METAL IND
- JP 2012102656 A 20120531 - TOSHIBA CORP
- JP 2007262553 A 20071011 - JFE STEEL KK
- JP 2008308717 A 20081225 - SUMITOMO METAL IND
- JP 2011195956 A 20111006 - NIPPON STEEL CORP

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 2831292 A1 20150204; EP 2831292 B1 20190619; EP 2831292 B2 20220810

DOCDB simple family (application)

EP 13713452 A 20130402