

Title (en)
STEEL

Title (de)
STAHL

Title (fr)
ACIER

Publication
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Application
EP 16878770 A 20161221

Priority
• JP 2015253563 A 20151225
• JP 2016088123 W 20161221

Abstract (en)
[origin: EP3395975A1] A steel according to one aspect of the present invention contains, in unit mass%, C: 0.10% to 0.25%, Si: 0.60% to 1.20%, Mn: 0.60% to 1.00%, P: 0.040% to 0.060%, S: 0.060% to 0.100%, Cr: 0.05% to 0.20%, Bi: 0.0001% to 0.0050%, N: 0.0020% to 0.0150%, V: 0% to 0.010%, Al: 0% to 0.0050%, Ti: 0% to 0.020%, Ca: 0% to 0.005%, Zr: 0% to 0.005%, Mg: 0% to 0.005%, and a remainder including Fe and impurities.

IPC 8 full level
C22C 38/00 (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/24** (2006.01); **C22C 38/28** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP KR US)
C22C 38/001 (2013.01 - EP KR US); **C22C 38/002** (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 38/18** (2013.01 - KR); **C22C 38/24** (2013.01 - EP US); **C22C 38/28** (2013.01 - EP US); **C22C 38/60** (2013.01 - EP KR US)

Citation (search report)
• [A] JP 2009221590 A 20091001 - HONDA MOTOR CO LTD, et al
• [A] JP 2004307930 A 20041104 - DAIDO STEEL CO LTD, et al
• [A] JP H1129842 A 19990202 - SUMITOMO METAL IND
• See references of WO 2017110883A1

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 3395975 A1 20181031; **EP 3395975 A4 20190612**; CN 108474068 A 20180831; JP 6620822 B2 20191218; JP WO2017110883 A1 20181011; KR 102101233 B1 20200417; KR 20180087371 A 20180801; US 2018371593 A1 20181227; WO 2017110883 A1 20170629

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EP 16878770 A 20161221; CN 201680075087 A 20161221; JP 2016088123 W 20161221; JP 2017558195 A 20161221; KR 20187018228 A 20161221; US 201616062247 A 20161221