

Title (en)

HIGH-STRENGTH STEEL WITH EXCELLENT DURABILITY AND METHOD FOR MANUFACTURING SAME

Title (de)

HOCHFESTER STAHL MIT AUSGEZEICHNETER DAUERHAFTIGKEIT UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

ACIER À HAUTE RÉSISTANCE PRÉSENTANT UNE EXCELLENTE DURABILITÉ ET SON PROCÉDÉ DE FABRICATION

Publication

EP 3889298 A4 20211229 (EN)

Application

EP 19889604 A 20191126

Priority

- KR 20180147124 A 20181126
- KR 2019016299 W 20191126

Abstract (en)

[origin: EP3889298A1] The present invention relates to steels used for members of chassis parts and wheel discs of commercial vehicles, or the like and, more specifically, to a high-strength steel with excellent durability and a method for manufacturing same.

IPC 8 full level

C22C 38/38 (2006.01); **C21D 1/02** (2006.01); **C21D 1/18** (2006.01); **C21D 1/19** (2006.01); **C21D 1/25** (2006.01); **C21D 6/00** (2006.01); **C21D 8/02** (2006.01); **C21D 9/46** (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/26** (2006.01); **C22C 38/28** (2006.01); **C23C 2/06** (2006.01)

CPC (source: EP KR US)

C21D 1/02 (2013.01 - EP); **C21D 1/18** (2013.01 - EP); **C21D 1/19** (2013.01 - EP); **C21D 1/25** (2013.01 - EP); **C21D 6/002** (2013.01 - US); **C21D 6/005** (2013.01 - EP US); **C21D 6/008** (2013.01 - US); **C21D 8/0205** (2013.01 - US); **C21D 8/0226** (2013.01 - KR US); **C21D 8/0231** (2013.01 - EP); **C21D 8/0263** (2013.01 - EP KR); **C21D 9/46** (2013.01 - EP KR US); **C22C 18/04** (2013.01 - US); **C22C 38/001** (2013.01 - EP KR US); **C22C 38/002** (2013.01 - US); **C22C 38/02** (2013.01 - EP KR US); **C22C 38/04** (2013.01 - EP KR); **C22C 38/06** (2013.01 - EP KR US); **C22C 38/26** (2013.01 - EP KR US); **C22C 38/28** (2013.01 - EP KR US); **C22C 38/38** (2013.01 - EP KR US); **C23C 2/02** (2013.01 - EP KR US); **C23C 2/0224** (2022.08 - EP KR US); **C23C 2/024** (2022.08 - EP KR US); **C23C 2/06** (2013.01 - EP US); **C23C 2/40** (2013.01 - US); **C21D 2211/002** (2013.01 - EP KR US); **C21D 2211/005** (2013.01 - EP KR US); **C21D 2211/008** (2013.01 - US)

Citation (search report)

- [ID] JP H09143570 A 19970603 - KAWASAKI STEEL CO
- [A] JP H06293910 A 19941021 - NIPPON STEEL CORP
- [A] JP H0754051 A 19950228 - NISSHIN STEEL CO LTD
- [A] EP 2014781 A1 20090114 - JFE STEEL CORP [JP]
- [A] KEY TO METALS AG: "Residual Elements in Steel", INTERNET CITATION, 1 July 2007 (2007-07-01), XP007922950, Retrieved from the Internet <URL:http://www.keytometals.com/page.aspx?ID=CheckArticle&site=kts&LN=DE&NM=205> [retrieved on 20150105]
- See references of WO 2020111702A1

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)

EP 3889298 A1 20211006; **EP 3889298 A4 20211229**; CN 113166893 A 20210723; CN 113166893 B 20221004; JP 2022509655 A 20220121; JP 7244723 B2 20230323; KR 102131527 B1 20200708; KR 20200062422 A 20200604; US 2022010399 A1 20220113; WO 2020111702 A1 20200604

DOCDB simple family (application)

EP 19889604 A 20191126; CN 201980078073 A 20191126; JP 2021529852 A 20191126; KR 20180147124 A 20181126; KR 2019016299 W 20191126; US 201917294250 A 20191126