

Title (en)

HIGH-HARDNESS BULLET-PROOF STEEL WITH EXCELLENT LOW-TEMPERATURE IMPACT TOUGHNESS AND METHOD FOR MANUFACTURING SAME

Title (de)

KUGELSICHERER STAHL MIT HOHER HÄRTE UND HERVORRAGENDER TIEFTEMPATURSCHLAGZÄHIGKEIT UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

ACIER RÉSISTANT AUX BALLES À DURETÉ ÉLEVÉE PRÉSENTANT UNE EXCELLENTE TÉNACITÉ AUX CHOCS À BASSE TEMPÉRATURE ET SON PROCÉDÉ DE FABRICATION

Publication

EP 4265785 A1 20231025 (EN)

Application

EP 21906840 A 20211104

Priority

- KR 20200179081 A 20201218
- KR 2021015867 W 20211104

Abstract (en)

The present invention can provide a bullet-proof steel capable of providing excellent bullet-proof properties by having high hardness characteristics and excellent low-temperature impact toughness, and a method for manufacturing same.

IPC 8 full level

C22C 38/58 (2006.01); **C21D 8/02** (2006.01); **C21D 9/46** (2006.01); **C22C 38/44** (2006.01); **C22C 38/48** (2006.01); **C22C 38/54** (2006.01)

CPC (source: EP KR)

C21D 1/25 (2013.01 - EP); **C21D 1/26** (2013.01 - EP); **C21D 6/004** (2013.01 - EP); **C21D 8/0205** (2013.01 - EP); **C21D 8/0226** (2013.01 - KR); **C21D 8/0263** (2013.01 - EP); **C21D 9/46** (2013.01 - EP KR); **C22C 38/002** (2013.01 - EP); **C22C 38/02** (2013.01 - EP); **C22C 38/04** (2013.01 - EP); **C22C 38/44** (2013.01 - EP KR); **C22C 38/46** (2013.01 - EP); **C22C 38/48** (2013.01 - EP KR); **C22C 38/50** (2013.01 - EP); **C22C 38/54** (2013.01 - EP KR); **C22C 38/58** (2013.01 - EP KR); **C21D 8/0247** (2013.01 - KR); **C21D 2211/001** (2013.01 - EP KR); **C21D 2211/008** (2013.01 - EP KR)

Citation (search report)

See references of WO 2022131535A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4265785 A1 20231025; AU 2021400778 A1 20230706; AU 2021400778 A9 20240620; KR 102498147 B1 20230208; KR 20220088239 A 20220627; WO 2022131535 A1 20220623

DOCDB simple family (application)

EP 21906840 A 20211104; AU 2021400778 A 20211104; KR 20200179081 A 20201218; KR 2021015867 W 20211104