

Title (en)
HOT-ROLLED STEEL SHEET

Title (de)
WARMGEWALZTES STAHLBLECH

Title (fr)
TÔLE D'ACIER LAMINÉE À CHAUD

Publication
EP 4379073 A1 20240605 (EN)

Application
EP 22848959 A 20220412

Priority
• JP 2021122173 A 20210727
• JP 2022017623 W 20220412

Abstract (en)
This hot-rolled steel sheet has a predetermined chemical composition and microstructure, in which, within regions obtained by dividing a sheet thickness cross section parallel to a rolling direction into three parts in a sheet thickness direction, when a pole density of the {001} plane of ferrite and bainite in a center region is $P_{i</sub>}$, and a pole density of the {001} plane of ferrite and bainite in a surface layer region is $P_{s</sub>}$, $P_{i</sub>}/P_{s</sub>}$ is 1.2 to 2.0, and a tensile strength is 950 MPa or more.

IPC 8 full level
C21D 9/46 (2006.01); **C22C 38/00** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP KR)
C21D 6/005 (2013.01 - EP); **C21D 8/02** (2013.01 - EP); **C21D 8/0226** (2013.01 - EP KR); **C21D 8/0263** (2013.01 - EP); **C21D 9/46** (2013.01 - KR); **C22C 38/001** (2013.01 - KR); **C22C 38/002** (2013.01 - EP); **C22C 38/008** (2013.01 - EP KR); **C22C 38/02** (2013.01 - EP); **C22C 38/04** (2013.01 - EP); **C22C 38/06** (2013.01 - EP); **C22C 38/08** (2013.01 - EP); **C22C 38/12** (2013.01 - EP); **C22C 38/14** (2013.01 - EP); **C22C 38/16** (2013.01 - EP); **C22C 38/22** (2013.01 - EP); **C22C 38/24** (2013.01 - EP); **C22C 38/26** (2013.01 - EP); **C22C 38/32** (2013.01 - EP); **C22C 38/34** (2013.01 - EP); **C22C 38/38** (2013.01 - EP); **C22C 38/42** (2013.01 - KR); **C22C 38/44** (2013.01 - KR); **C22C 38/46** (2013.01 - KR); **C22C 38/48** (2013.01 - KR); **C22C 38/50** (2013.01 - KR); **C22C 38/54** (2013.01 - KR); **C22C 38/58** (2013.01 - KR); **C21D 9/46** (2013.01 - EP); **C21D 2211/002** (2013.01 - KR); **C21D 2211/005** (2013.01 - KR); **C21D 2211/008** (2013.01 - KR)

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 4379073 A1 20240605; CN 117178070 A 20231205; JP WO2023007876 A1 20230202; KR 20230158061 A 20231117; MX 2023012341 A 20231031; WO 2023007876 A1 20230202

DOCDB simple family (application)
EP 22848959 A 20220412; CN 202280028949 A 20220412; JP 2022017623 W 20220412; JP 2023538282 A 20220412; KR 20237035260 A 20220412; MX 2023012341 A 20220412