

Title (en)
WEAR-RESISTANT STEEL SHEET HAVING EXCELLENT WEAR RESISTANT AT HIGH TEMPERATURE AND PROCESSABILITY UPON BENDING, AND METHOD FOR PRODUCTION THEREOF

Title (de)
ABNUTZUNGSFESTES STAHLBLECH MIT HERVORRAGENDER ABNUTZUNGSFESTIGKEIT BEI HOHER TEMPERATUR UND HERVORRAGENDER BIEGEVERARBEITBARKEIT SOWIE HERSTELLUNGSVERFAHREN DAFÜR.

Title (fr)
PLAQUE D'ACIER RÉISTANT À L'USURE AYANT UNE EXCELLENTE RÉISTANCE À L'USURE À UNE TEMPÉRATURE ÉLEVÉE ET UNE EXCELLENTE APTITUDE AU CINTRAGE ET PROCÉDÉ DE FABRICATION DE CELLE-CI

Publication
EP 2180076 B1 20160330 (EN)

Application
EP 09700890 A 20090106

Priority
• JP 2009050024 W 20090106
• JP 2008000301 A 20080107
• JP 2008268253 A 20081017

Abstract (en)
[origin: EP2180076A1] This wear-resistant steel plate includes, in terms of mass %, C: not less than 0.13% and not more than 0.18%, Si: not less than 0.5% but less than 1.0%, Mn: not less than 0.2% and not more than 0.8%, P: not more than 0.020%, S: not more than 0.010%, Cr: not less than 0.5% and not more than 2.0%, Mo: not less than 0.03% and not more than 0.30%, Nb: more than 0.03% but not more than 0.10%, Al: not less than 0.01% and not more than 0.20%, B: not less than 0.0005% and not more than 0.0030%, and N: not more than 0.010%, with a remainder being Fe and unavoidable impurities, wherein an element composition is such that HI is 0.7 or greater and Ceq exceeds 0.50, and an HB value (Brinell hardness) at 25°C is not less than 360 and not more than 440.

IPC 8 full level
C22C 38/32 (2006.01); **C21D 8/02** (2006.01); **C22C 38/54** (2006.01)

CPC (source: EP KR US)
C21D 6/002 (2013.01 - EP US); **C21D 8/02** (2013.01 - KR); **C21D 8/0263** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/22** (2013.01 - EP US); **C22C 38/26** (2013.01 - EP KR US); **C22C 38/32** (2013.01 - EP US); **C22C 38/48** (2013.01 - KR)

Cited by
EP2873747A4; US9982331B2

Designated contracting state (EPC)
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