

Title (en)
ULTRAHIGH-TENSILE-STRENGTH STEEL PLATE

Title (de)
STAHLPLATTE MIT EXTREM HOHER ZUGFESTIGKEIT

Title (fr)
TÔLE D'ACIER AVEC TRÈS HAUTE RÉSISTANCE À LA TRACTION

Publication
EP 2843073 B1 20170802 (EN)

Application
EP 13886145 A 20130613

Priority
JP 2013066349 W 20130613

Abstract (en)
[origin: EP2843073A1] A steel plate includes, as a chemical composition, by mass%, C: 0.015% to 0.045%, Mn: 1.80% to 2.20%, Cu: 0.40% to 0.70%, Ni: 0.80% to 1.80%, Nb: 0.005% to 0.015%, Mo: 0.05% to 0.25%, Ti: 0.005% to 0.015%, B: 0.0004% to 0.0020%, N: 0.0020% to 0.0060%, and O: 0.0015% to 0.0035%, in which a number of oxide grains having an equivalent circle diameter of 2 μm or more is 20 particles/mm² or less and a number of Ti oxides having an equivalent circle diameter of 0.05 μm to 0.5 μm is 1.0×10^3 particles/mm² to 1.0×10^5 particles/mm² at a thickness center portion of a cross section in a thickness direction.

IPC 8 full level
C21D 9/46 (2006.01); **B22D 11/22** (2006.01); **C21D 1/18** (2006.01); **C21D 1/25** (2006.01); **C21D 8/02** (2006.01); **C21D 9/50** (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/08** (2006.01); **C22C 38/12** (2006.01); **C22C 38/14** (2006.01); **C22C 38/16** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01); **C22C 38/48** (2006.01); **C22C 38/50** (2006.01); **C22C 38/54** (2006.01); **C22C 38/58** (2006.01)

CPC (source: CN EP KR)
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