

Title (en)

COMPOSITE STRUCTURE TYPE HIGH TENSILE STRENGTH STEEL PLATE, PLATED PLATE OF COMPOSITE STRUCTURE TYPE HIGH TENSILE STRENGTH STEEL AND METHOD FOR THEIR PRODUCTION

Title (de)

KOMPOSITSTRUKTUR-STAHPLATTE MIT HOHER ZUGFESTIGKEIT, BESCHICHTETE KOMPOSITSTRUKTUR-STAHPLATTE MIT HOHER ZUGFESTIGKEIT UND DEREN HERSTELLUNGSVERFAHREN

Title (fr)

TOLE D'ACIER LAMINEE A FROID PRESENTANT UNE RESISTANCE ELEVEE A LA TRACTION DU TYPE STRUCTURE COMPOSITE

Publication

EP 1338667 A1 20030827 (EN)

Application

EP 01998666 A 20011127

Priority

- JP 0110340 W 20011127
- JP 2000361273 A 20001128
- JP 2000361274 A 20001128
- JP 2001312687 A 20011010
- JP 2001312688 A 20011010

Abstract (en)

[origin: US2003129444A1] The invention proposes a high-strength dual-phase cold rolled steel sheet having an excellent deep drawability, wherein the steel sheet has a composition comprising C: 0.01-0.08 mass %, Si: not more than 2.0 mass %, Mn: not more than 3.0 mass %, P: not more than 0.10 mass %, S: not more than 0.02 mass %, Al: 0.005-0.20 mass %, N: not more than 0.02 mass % and V: 0.01-0.5 mass %, provided that V and C satisfy a relationship of $0.5 \times C/12 \leq V/51 \leq 3 \times C/12$, and the remainder being Fe and inevitable impurities, and has a microstructure consisting of a ferrite phase as a primary phase and a secondary phase including martensite phase at an area ratio of not less than 1% to a whole of the microstructure and a high-strength dual-phase galvanized steel sheet comprising a galvanized coating on the above steel sheet as well as a method of producing the same.

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR US)

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Cited by

EP1682686A4; EP2636762A4; US10400301B2; US7608155B2; US7442268B2; US7879160B2; US8337643B2; US8366844B2; US7959747B2; US8435363B2; US9157138B2; WO2011036351A1; WO2011036352A1

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