

Title (en)

Manufacture of steel sheets having high resistance and excellent ductility, products thereof

Title (de)

Herstellungsprozess von Stahlblechen mit hoher Festigkeit und exzellenter Dehnung und hergestellte Produkte

Title (fr)

Procédé de fabrication de tôles d'acier présentant une haute résistance et une excellente ductilité, et tôles ainsi produites

Publication

EP 1749895 A1 20070207 (FR)

Application

EP 05291675 A 20050804

Priority

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Abstract (en)

A steel composition comprises (by wt.%) : (A) 0.08 = carbon (C) = 0.23; (B) 1 = manganese (Mn) = 2; (C) 1 = silicon (Si) = 2; (D) aluminum (Al) = 0.030; (E) 0.1 = vanadium (V) = 0.25; (F) titanium (Ti) = 0.010; (G) sulfur (S) = 0.015; (H) phosphorus (P) = 0.1; (I) 0.004 = nitrogen (N) = 0.012; (J) optional one or more elements chosen from niobium (Nb) = 0.1, molybdenum (Mo) = 0.5 and chromium (Cr) = 0.3; (K) remainder being iron (Fe) and inevitable production impurities. Independent claims are also included for : (1) a steel sheet of this composition; (2) the fabrication of a hot rolled steel sheet of this composition; (3) the fabrication of a cold rolled steel sheet of this composition.

IPC 8 full level

C22C 38/00 (2006.01); **C22C 38/04** (2006.01)

CPC (source: EP KR US)

C21D 8/0226 (2013.01 - KR); **C21D 8/0236** (2013.01 - KR); **C22C 38/001** (2013.01 - EP KR US); **C22C 38/02** (2013.01 - EP KR US); **C22C 38/04** (2013.01 - EP KR US); **C22C 38/06** (2013.01 - KR); **C22C 38/12** (2013.01 - EP KR US); **C22C 38/14** (2013.01 - EP KR US)

Citation (search report)

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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