

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)  
PROCEDE DE FABRICATION DE TÔLES D'ACIER PRESENTANT UNE HAUTE RESISTANCE ET UNE EXCELLENTE DUCTILITE, ET TÔLES AINSI PRODUITES

Publication  
**EP 1913169 B1 20140903 (FR)**

Application  
**EP 06778838 A 20060707**

Priority  
• FR 2006001668 W 20060707  
• EP 05291675 A 20050804  
• EP 06778838 A 20060707

Abstract (en)  
[origin: EP1749895A1] 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  
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