Title (en)

MICRO-ALLOYED HIGH-STRENGTH MULTI-PHASE STEEL CONTAINING SILICON AND HAVING A MINIMUM TENSILE STRENGTH OF 750 MPA AND IMPROVED PROPERTIES AND METHOD FOR PRODUCING A STRIP FROM SAID STEEL

Title (de)

SILIZIUMHALTIGER, MIKROLEGIERTER HOCHFESTER MEHRPHASENSTAHL MIT EINER MINDESTZUGFESTIGKEIT VON 750 MPA UND VERBESSERTEN EIGENSCHAFTEN UND VERFAHREN ZUR HERSTELLUNG EINES BANDES AUS DIESEM STAHL

Title (fr)

ACIER MULTIPHASE À HAUTE RÉSISTANCE, MICRO-ALLIÉ ET CONTENANT DU SILICIUM, PRÉSENTANT UNE RÉSISTANCE MINIMALE À LA TRACTION DE 750 MPA ET DES PROPRIÉTÉS AMÉLIORÉES ET PROCÉDÉ DE FABRICATION D'UNE BANDE À PARTIR DE CET ACIER

Publication

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Application

EP 14741788 A 20140527

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- DE 2014000295 W 20140527

Abstract (en)

[origin: WO2015014333A2] The invention relates to a high-strength multi-phase steel having minimum tensile strengths of 750 MPa and preferably having a dual-phase microstructure for a cold- or hot-rolled steel strip, in particular for lightweight vehicle construction, said high-strength multi-phase steel having improved forming properties and a ratio of yield point to tensile strength of at most 73%. The high-strength multi-phase steel consists of the elements specified in claim 1 (contents in mass %), the remainder iron, including typical elements accompanying steel that are not mentioned above, which represent contamination resulting from smelting.

IPC 8 full level

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