

Title (en)

HIGH-STRENGTH MULTI-PHASE STEEL, AND METHOD FOR PRODUCING A STRIP FROM SAID STEEL

Title (de)

HOCHFESTER MEHRPHASENSTAHL UND VERFAHREN ZUR HERSTELLUNG EINES BANDES AUS DIESEM STAHL

Title (fr)

ACIER POLYPHASÉ À HAUTE RÉSISTANCE ET PROCÉDÉ DE FABRICATION D'UNE BANDE À PARTIR DUDIT ACIER

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Application

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Abstract (en)

[origin: WO2013139319A1] The invention relates to a high-strength multi-phase steel having tensile strengths of no less than 580 MPa, preferably with a dual-phase structure for a cold-rolled or hot-rolled steel strip having improved forming properties, in particular for lightweight vehicle construction, consisting of the following elements (contents in % by mass): C 0.075 to <= 0.105; Si 0.200 to <= 0.300; Mn 1.000 to <= 2.000; Cr 0.280 to <= 0.480; Al 0.10 to <= 0.060; P <= 0.020; Nb >= 0.005 to <= 0.025; N <= 0.0100; S <= 0.0050; the remainder iron, including conventional steel-accompanying elements not mentioned above. The invention further relates to a method for producing a cold-rolled or hot-rolled steel strip from said steel.

IPC 8 full level

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