

Title (en)
HIGH-STRENGTH AIR-HARDENING MULTI-PHASE STEEL COMPRISING OUTSTANDING PROCESSING PROPERTIES AND METHOD FOR THE PRODUCTION OF A STEEL STRIP FROM SAID STEEL

Title (de)
HOCHFESTER LUFTHÄRTENDER MEHRPHASENSTAHL MIT HERVORRAGENDEN VERARBEITUNGSEIGENSCHAFTEN UND VERFAHREN ZUR HERSTELLUNG EINES BANDES AUS DIESEM STAHL

Title (fr)
ACIER MULTIPHASÉ À HAUTE RÉSISTANCE DURCISSANT À L'AIR QUI PRÉSENTE D'EXCELLENTE PROPRIÉTÉS DE TRAITEMENT ET PROCÉDÉ DE FABRICATION D'UNE BANDE À PARTIR DE CET ACIER

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Application
EP 15816077 A 20151102

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Abstract (en)
[origin: WO2016078642A1] The invention relates to a high-strength air-hardening multi-phase steel which has a minimum tensile strength of 750 MPa and has outstanding processing properties, consisting of a composition defined in claim 1, in which, with a view to a possibly broad process window in the continuous annealing of warm or cold strips from said steel, according to the produced strip thickness, the total content of Mn+Si+Cr+Mo is adjusted as follows: up to 1.00 mm, total of Mn+Si+Cr+Mo ≥ 2.450 and ≤ 2.800 weight %; over 1.00 up to 2.00 mm, total of Mn+Si+Cr+Mo ≥ 2.600 and ≤ 3.150 weight %; over 2.00 mm, total of Mn+Si+Cr+Mo ≥ 3.000 and ≤ 3.450 weight %.

IPC 8 full level
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