

Title (en)

HIGH-STRENGTH AIR-HARDENING MULTIPHASE STEEL HAVING EXCELLENT PROCESSING PROPERTIES, AND METHOD FOR MANUFACTURING A STRIP OF SAID STEEL

Title (de)

HOCHFESTER LUFTHÄRTENDER MEHRPHASENSTAHL MIT HERVORRAGENDEN VERARBEITUNGSEIGENSCHAFTEN UND VERFAHREN ZUR HERSTELLUNG EINES BANDES AUS DIESEM STAHL

Title (fr)

ACIER POLYPHASÉ, TREMPÉ À L'AIR ET À HAUTE RÉSISTANCE, AYANT D'EXCELLENTE PROPRIÉTÉS DE MISE EN OEUVRE ET PROCÉDÉ DE PRODUCTION D'UNE BANDE AVEC CET ACIER

Publication

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Application

EP 15831216 A 20151104

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Abstract (en)

[origin: WO2016078643A1] The invention relates to a high-strength air-hardenable multiphase steel which has excellent processing properties and consists of a composition defined in claim 1 and in which, in order to allow for a process window that is as large as possible for the continuous annealing of hot and cold strips from said steel, the combined content of Mn+Si+Cr is adjusted as follows in accordance with the strip thickness obtained: up to 1.00 mm: sum of Mn+Si+Cr \geq 2.350 and \leq 2.500 wt% more than 1.00 and up to 2.00 mm: sum of Mn+Si+Cr $>$ 2.500 and \leq 2.950 wt% more than 2.00 mm: sum of Mn+Si+Cr $>$ 2.950 and \leq 3.250 wt%.

IPC 8 full level

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Citation (search report)

See references of WO 2016078643A1

Cited by

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