

Title (en)
METHOD FOR MANUFACTURING A HIGH-STRENGTH AIR-HARDENING MULTIPHASE STEEL STRIP HAVING EXCELLENT PROCESSING PROPERTIES

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES HOCHFESTEN LUFTHÄRTENDEN MEHRPHASENSTAHLS MIT HERVORRAGENDEN VERARBEITUNGSEIGENSCHAFTEN

Title (fr)
PROCÉDÉ DE PRODUCTION D'UNE BANDE EN ACIER POLYPHASÉ, DURCISSANT À L'AIR, AYANT UNE HAUTE RÉSISTANCE ET AYANT D'EXCELLENTE PROPRIÉTÉS DE MISE EN ŒUVRE

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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
C21D 1/76 (2006.01); **C21D 1/26** (2006.01); **C21D 1/84** (2006.01); **C21D 6/00** (2006.01); **C21D 8/02** (2006.01); **C21D 8/04** (2006.01); **C21D 9/48** (2006.01); **C21D 9/56** (2006.01); **C21D 9/58** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/26** (2006.01); **C22C 38/28** (2006.01); **C22C 38/32** (2006.01); **C22C 38/38** (2006.01); **C23C 2/02** (2006.01); **C23C 2/06** (2006.01); **C23C 2/26** (2006.01); **C23C 2/40** (2006.01)

CPC (source: EP KR RU US)
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Citation (examination)
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