

Title (en)
METHOD FOR PRODUCING A COLD-ROLLED STEEL STRIP HAVING TRIP-CHARACTERISTICS MADE OF A HIGH-STRENGTH MANGAN-CONTAINING STEEL

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES KALTGEWALZTEN STAHLBANDES MIT TRIP-EIGENSCHFTEN AUS EINEM HOCHFESTEN, MANGANHALTIGEN STAHL

Title (fr)
PROCÉDÉ DE FABRICATION D'UNE BANDE D'ACIER LAMINÉE À FROID PRÉSENTANT DES PROPRIÉTÉS TRIP À PARTIR D'UN ACIER À RÉSISTANCE ÉLEVÉE CONTENANT DU MANGANÈSE

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Application
EP 17730110 A 20170608

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Abstract (en)
[origin: WO2017211952A1] The invention relates to a method for producing a cold-rolled steel strip made of a high-strength mangan-containing steel with TRIP-characteristics, containing (in wt.%) C: 0.0005 to 0.9, Mn: more than 3.0 to 12, with the remaining portion being iron including unavoidable steel-associated elements, with the optional addition of one or more of the following elements (in wt.%): Al: up to 10; Si: up to 6; Cr: up to 6; Nb: up to 1.5; V: up to 1.5; Ti: up to 1.5; Mo: up to 3; Cu: up to 3; Sn: up to 0.5; W: up to 5; Co: up to 8; Zr: up to 0.5; Ta: up to 0.5; Te: up to 0.5; B: up to 0.15; P: max. 0.1, in particular < 0.04; S: max. 0.1, in particular < 0.02; N: max. 0.1, in particular < 0.05; Ca: up to 0.1. According to the invention, in order to improve a corresponding method, the cold-rolling to a required end thickness occurs at a temperature of over 50°C to 400°C before the first impact.

IPC 8 full level
C21D 7/02 (2006.01); **C22C 38/02** (2006.01)

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Citation (examination)
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