

Title (en)

MARTENSITIC STEEL WITH DELAYED Z-PHASE FORMATION, AND COMPONENT

Title (de)

MARTENSITISCHER STAHL MIT VERZÖGERTER Z-PHASE-BILDUNG UND BAUTEIL

Title (fr)

ACIER MARTENSITIQUE À FORMATION DE PHASE Z RETARDÉE ET PIÈCE

Publication

**EP 3414354 A1 20181219 (DE)**

Application

**EP 17717169 A 20170412**

Priority

- DE 102016206370 A 20160415
- EP 2017058861 W 20170412

Abstract (en)

[origin: WO2017178555A1] The invention relates to an iron-based steel comprising at least (in wt.%): carbon (C): 0.01% - 0.10%; silicon (Si): 0.02% - 0.7%; manganese (Mn): 0.3% - 1.0%; chromium (Cr): 8.0% - 10%; molybdenum (Mo): 0.1% - 1.8%; cobalt (Co): 0.8% - 2.0%; nickel (Ni): 0.008% - 0.20%; boron (B): 0.004% - 0.01%; nitrogen (N): 0.03% - 0.06%; vanadium (V): 0.1% - 0.3%, particularly 0.15% - 0.022% of vanadium (V), more particularly 0.185% of vanadium (V); niobium (Nb): 0.01% - 0.07%; optionally tungsten (W): 2.0% - 2.8%, particularly 2.4% of tungsten; the remainder being iron (Fe); wherein said steel consists in particular of these elements.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2017178555A1

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