

Title (en)
STEEL COMPOSITION

Title (de)
STAHLZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'ACIER

Publication
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Application
EP 19742812 A 20190314

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Abstract (en)
[origin: WO2019186016A1] The present invention relates to a steel composition containing, in percentages by weight of the total composition: carbon: 0.06-0.20, preferably 0.08-0.18; chromium: 2.5-5.0, preferably 3.0-4.5; molybdenum: 4.0-6.0; tungsten: 0.01-3.0; vanadium: 1.0-3.0, preferably 1.5-2.5; nickel: 2.0-4.0; cobalt: 9.0-12.5, preferably, 9.5-11.0; iron: the remainder, as well as inevitable impurities, optionally further comprising one or more of the following elements: niobium: < 2.0; nitrogen: < 0.50, preferably < 0.20; silicon: < 0.70, preferably 0.05-0.50; manganese: < 0.70, preferably 0.05-0.50; aluminium: < 0.15, preferably < 0.10; with the combined content of niobium + vanadium ranging from 1.0 to 3.5; and the carbon + nitrogen content ranging from 0.06 to 0.50. The invention further relates to a method for manufacturing the above composition, the steel blank obtained therewith, and a mechanical body or injection system comprising said blank.

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See references of WO 2019186016A1

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