

Title (en)

A SUPER BAINITE STEEL, AN OBJECT COMPRISING SAID STEEL AND A METHOD FOR MANUFACTURING SAID OBJECT

Title (de)

SUPERBAINITSTAHL, GEGENSTAND MIT DIESEM STAHL UND VERFAHREN ZUR HERSTELLUNG DIESES GEGENSTANDS

Title (fr)

ACIER SUPER-BAINITIQUE, OBJET COMPRENANT LEDIT ACIER ET PROCÉDÉ DE FABRICATION DUDIT OBJET

Publication

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Application

EP 22833755 A 20220525

Priority

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Abstract (en)

[origin: WO2023277754A1] The present invention relates to a super bainite steel comprising the following elements in weight-% (wt-%) C 0.60 to 0.90; Si 1.60 to 3.00; 5 Al 0.10 to 0.80; Mn \leq 0.90; P \leq 0.03; S \leq 0.03; Cr 0.40 to 1.50; 0 Ni 0.05 to 1.50; Mo 0.40 to 1.10; Co < 3.20; V < 0.50; Ti < 0.10; 5 Cu < 0.50; Si+Al 2.1 to 3.1; Balance is Fe and unavoidable impurities.

IPC 8 full level

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