

Title (en)

STEEL, COMPONENT AND METHOD FOR PRODUCING STEEL

Title (de)

STAHL, BAUTEIL UND VERFAHREN ZUM HERSTELLEN VON STAHL

Title (fr)

ACIER, ÉLÉMENT ET PROCÉDÉ DE FABRICATION D'UN ACIER

Publication

EP 2737097 A1 20140604 (DE)

Application

EP 12741323 A 20120727

Priority

- DE 102011079955 A 20110728
- EP 2012064806 W 20120727

Abstract (en)

[origin: WO2013014280A1] Steel according to an exemplary embodiment comprises tantalum in a fraction of between 0.01 and 2 percent by weight and a carbon fraction, which is at least 0.25 percent by weight and at most 1.55 percent by weight. A component (110; 120) according to an exemplary embodiment of the present invention comprises this steel at least in one portion, the portion extending from a surface (160; 170) of the component (110; 120) into an interior of the component (110; 120), and wherein the component (110; 120) is case-hardened (200; 210) in the portion. This may allow improved and/or easier case hardening to be achieved.

IPC 8 full level

C22C 38/12 (2006.01)

CPC (source: EP)

C22C 38/12 (2013.01)

Citation (search report)

See references of WO 2013014280A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102011079955 A1 20130131; DE 102011079955 B4 20231019; EP 2737097 A1 20140604; EP 2737097 B1 20200122;
WO 2013014280 A1 20130131

DOCDB simple family (application)

DE 102011079955 A 20110728; EP 12741323 A 20120727; EP 2012064806 W 20120727