

Title (en)

METHOD FOR PRODUCING A SELF-TAPPING SCREW

Title (de)

VERFAHREN ZUM HERSTELLEN EINER SELBSTSCHNEIDENDEN SCHRAUBE

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE VIS AUTOTARAUDEUSE

Publication

EP 2895640 A1 20150722 (DE)

Application

EP 13765313 A 20130910

Priority

- DE 102012216117 A 20120912
- EP 2013068739 W 20130910

Abstract (en)

[origin: WO2014040995A1] The invention relates to a method for producing a self-tapping screw, in which a blank consisting of a steel that can be hardened in a martensitic manner is provided. A screw form having a screw shank and a screw thread arranged on the screw shank is manufactured from the blank, and the screw form is then hardened in a nitrogen-containing gas atmosphere at a temperature greater than 900 °C. The invention further relates to a self-tapping screw.

IPC 8 full level

C23C 8/26 (2006.01); **B21K 1/56** (2006.01); **C21D 9/00** (2006.01); **C23C 8/80** (2006.01); **F16B 25/00** (2006.01)

CPC (source: EP)

B21H 3/027 (2013.01); **C21D 9/0093** (2013.01); **C23C 8/26** (2013.01); **C23C 8/80** (2013.01); **F16B 25/0026** (2013.01)

Citation (search report)

See references of WO 2014040995A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102012216117 A1 20140313; EP 2895640 A1 20150722; TW 201435142 A 20140916; WO 2014040995 A1 20140320

DOCDB simple family (application)

DE 102012216117 A 20120912; EP 13765313 A 20130910; EP 2013068739 W 20130910; TW 102132586 A 20130910