

Title (en)

Method and device for the rotationally secure connection of a hollow axle with a part

Title (de)

Verfahren und Vorrichtung zum drehfesten Verbinden einer Hohlwelle mit einem Bauteil

Title (fr)

Méthode et dispositif pour la connection non-rotative d'un arbre et une pièce

Publication

EP 1757381 A3 20080709 (DE)

Application

EP 06012082 A 20060613

Priority

DE 102005039784 A 20050822

Abstract (en)

[origin: EP1757381A2] The method for the torsionally fixed connecting of a hollow shaft to a component located upon it entails the use of a joining tool (10) which has at least one first deforming component (12) and at least one additional deforming component (13), with the deforming components being movable relative to each other, wherein the relative movement effects an at least partial expansion of the hollow shaft (3). The expansion of the hollow shaft is realized by expanding the additional deforming component which contacts the hollow shaft by a defined inside circumferential surface. An independent claim is included for a device for the torsionally fixed connecting of a hollow shaft to a component which is located upon it, by application of the aforesaid method.

IPC 8 full level

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CPC (source: EP US)

B21D 39/06 (2013.01 - EP US); **B21D 39/20** (2013.01 - EP US); **B21D 53/845** (2013.01 - EP US); **Y10T 29/49391** (2015.01 - EP US); **Y10T 29/49909** (2015.01 - EP US); **Y10T 29/49911** (2015.01 - EP US); **Y10T 29/4994** (2015.01 - EP US); **Y10T 29/53996** (2015.01 - EP US); **Y10T 403/32** (2015.01 - EP US)

Citation (search report)

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- [XAY] GB 2069388 A 19810826 - NORTHERN ENG IND
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1757381 A2 20070228; **EP 1757381 A3 20080709**; **EP 1757381 B1 20151007**; DE 102005039784 A1 20070308; US 2007053740 A1 20070308; US 2010306982 A1 20101209; US 7913373 B2 20110329

DOCDB simple family (application)

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