

Title (en)

DEVICE WITH A SHAFT AND WITH AT LEAST ONE HUB MOUNTED ON SAID SHAFT, AND METHOD FOR PRODUCING SAID DEVICE

Title (de)

EINRICHTUNG MIT EINER WELLE UND MIT ZUMINDEST EINER AUF DIESER WELLE ANGEBRACHTEN NABE UND VERFAHREN FÜR DIE HERSTELLUNG DIESER EINRICHTUNG

Title (fr)

DISPOSITIF DOTE D'UN ARBRE ET D'AU MOINS UN MOYEU DISPOSE SUR CET ARBRE, ET PROCEDE DE FABRICATION DE CE DISPOSITIF

Publication

**EP 1292779 A1 20030319 (DE)**

Application

**EP 01931446 A 20010420**

Priority

- DE 0101525 W 20010420
- DE 10027517 A 20000606

Abstract (en)

[origin: DE10027517A1] An edge area of the opening in the hub has a profile when seen in vertical section. The profile is formed as the surface line of a cone (K1), and merges into the hub opening in approx. the center of the hub width. The cone generating angle is smaller than or equals 5 deg . The hub opening is a cylindrical bore (Z) or a cone. It has a cylindrical or polygonal aperture (N). Hub opening, profile, and aperture are formed by turning and/or broaching, or by sintering. A joint section of the shaft is expanded by forming, and the hub (2) is pressed axially onto this expanded part.

IPC 1-7

**F16D 1/08**

IPC 8 full level

**F16D 1/06** (2006.01); **F16D 1/072** (2006.01); **F16D 1/08** (2006.01)

CPC (source: EP KR US)

**F16D 1/06** (2013.01 - US); **F16D 1/072** (2013.01 - EP US); **F16D 1/08** (2013.01 - KR); **Y10T 403/4966** (2015.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**US 2003165354 A1 20030904**; AU 5821701 A 20011217; DE 10027517 A1 20011213; DE 10192365 D2 20030522; EP 1292779 A1 20030319; HU P0204380 A2 20030428; JP 2003536031 A 20031202; KR 20030011823 A 20030211; PL 358888 A1 20040823; WO 0194802 A1 20011213

DOCDB simple family (application)

**US 29735602 A 20021202**; AU 5821701 A 20010420; DE 0101525 W 20010420; DE 10027517 A 20000606; DE 10192365 T 20010420; EP 01931446 A 20010420; HU P0204380 A 20010420; JP 2002502324 A 20010420; KR 20027013567 A 20021010; PL 35888801 A 20010420