Title (en)

METHOD AND DEVICE FOR GRINDING CENTRAL BEARING POSITIONS ON CRANKSHAFTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SCHLEIFEN VON ZENTRISCHEN LAGERSTELLEN VON KURBELWELLEN

Title (fr)

PROCEDE ET DISPOSITIF POUR POLIR DES POINTS D'APPUI CENTRAUX DE VILEBREQUINS

Publication

EP 1427568 A1 20040616 (DE)

Application

EP 02777056 A 20020910

Priority

- DE 10144644 A 20010911
- EP 0210135 W 20020910

Abstract (en)

[origin: WO03022521A1] The invention relates to a device for the grinding of central bearing positions on crankshafts with several grinding discs employed simultaneously. An additional machining unit (11) for the pre-working of at least one central bearing position (2) on the crankshaft (1) is provided to form a bearing seat for the collar (3). The invention further relates to a method of grinding central bearing positions (2) on crankshafts (1), in which a bearing seat for a collar (3) is pre-worked before the process of the final precision grinding.

IPC 1-7

B24B 5/42; B24B 41/06

IPC 8 full level

B24B 5/42 (2006.01); **B24B 41/06** (2012.01)

CPC (source: EP KR US)

B24B 5/04 (2013.01 - KR); **B24B 5/421** (2013.01 - EP US); **B24B 41/065** (2013.01 - EP US)

Citation (search report)

See references of WO 03022521A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 03022521 A1 20030320; CN 100343017 C 20071017; CN 1541150 A 20041027; CZ 2004346 A3 20040818; CZ 304903 B6 20150114; DE 10144644 A1 20030410; DE 10144644 B4 20060713; DE 50202079 D1 20050224; EP 1427568 A1 20040616; EP 1427568 B1 20050119; ES 2235096 T3 20050701; JP 2005501754 A 20050120; JP 4047277 B2 20080213; KR 100820985 B1 20080410; KR 20040030974 A 20040409; RU 2004110944 A 20050610; RU 2303510 C2 20070727; US 2004248502 A1 20041209; US 6913522 B2 20050705

DOCDB simple family (application)

EP 0210135 W 20020910; CN 02815794 A 20020910; CZ 2004346 A 20020910; DE 10144644 A 20010911; DE 50202079 T 20020910; EP 02777056 A 20020910; ES 02777056 T 20020910; JP 2003526636 A 20020910; KR 20047002402 A 20020910; RU 2004110944 A 20020910; US 48952904 A 20040420