

Title (en)  
DEVICE FOR FIXING A TOOL ON A DRIVE SHAFT OF A HAND-HELD MACHINE TOOL, WHICH CAN BE DRIVEN IN AN OSCILLATING MANNER

Title (de)  
VORRICHTUNG ZUM BEFESTIGEN EINES WERKZEUGS AN EINER OSZILLIEREND ANTREIBBAREN ANTRIEBSWELLE EINER HANDWERKZEUGMASCHINE

Title (fr)  
DISPOSITIF POUR FIXER UN OUTIL A UN ARBRE D'ENTRAINEMENT D'UNE MACHINE-OUTIL MANUELLE, QUI PEUT ETRE ENTRAINE EN OSCILLATIONS

Publication  
**EP 1819490 B1 20100217 (DE)**

Application  
**EP 05777659 A 20050823**

Priority  
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• DE 102004050798 A 20041019

Abstract (en)  
[origin: EP2172317A1] The arrangement comprises a centering element (10) and a press fitting unit (12, 12', 44) for the axial joining of a tool (14) to a power driven device (28) with an oscillating drive shaft (16). The centering element (10) assists in the positioning of the tool (14) in relation to the drive shaft (16) and the press fitting unit (12, 12', 44) is used for locking the tool (14) in the appropriate position. The press fitting unit (12, 12', 44) is designed as a row of cylindrical projections (12) arranged around the outer area of a flange (38) and engaging with complementary openings (12') at the rear end of the tool (44).

IPC 8 full level  
**B27B 5/32** (2006.01); **B24B 23/04** (2006.01); **B27B 19/00** (2006.01)

CPC (source: EP US)  
**B24B 23/04** (2013.01 - EP US); **B24B 45/00** (2013.01 - EP US); **B26D 7/2614** (2013.01 - US); **B27B 5/32** (2013.01 - EP US); **B27B 19/006** (2013.01 - EP US); **Y10T 29/49963** (2015.01 - EP US); **Y10T 83/04** (2015.04 - EP US); **Y10T 83/7045** (2015.04 - EP US); **Y10T 83/9379** (2015.04 - EP US); **Y10T 83/9454** (2015.04 - EP US); **Y10T 83/9457** (2015.04 - EP US); **Y10T 83/9464** (2015.04 - EP US); **Y10T 403/75** (2015.01 - EP US)

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CN103079761A; CN103831800A; US10265778B2; US10702927B2; EP2380702A2; US9199353B2; USD871185S; USD924030S; US10137592B2; US10940605B2; US11724413B2; US10040186B2; US10245716B2; US10792801B2; US11235452B2; USD832666S; US10124461B2; US10207385B2; USD856766S; USD873099S; USD884444S; US11045919B2; US11097396B2; US11498180B2

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