

Title (en)  
Oscillation drive

Title (de)  
Oszillationsantrieb

Title (fr)  
Commande par oscillation

Publication  
**EP 2208576 B2 20170816 (DE)**

Application  
**EP 10004390 A 20070423**

Priority  
• EP 07008184 A 20070423  
• DE 102006021969 A 20060504

Abstract (en)  
[origin: EP1852218A1] The oscillating drive has a shaft whose free end (16) forms a flat mounting (18) for a tool (22). Lugs (36) on the mounting fit through slots on the tool and deform them so that the tool is prevented from rotating with respect to the mounting.

IPC 8 full level  
**B24B 23/04** (2006.01); **B24B 45/00** (2006.01); **G05G 1/30** (2008.04)

CPC (source: EP US)  
**B24B 23/04** (2013.01 - EP US); **B24B 45/00** (2013.01 - EP US); **Y10T 74/2164** (2015.01 - EP US); **Y10T 279/15** (2015.01 - EP US); **Y10T 279/16** (2015.01 - EP US); **Y10T 403/291** (2015.01 - EP US)

Citation (opposition)  
Opponent :  
• US 2005095966 A1 20050505 - JASCH MICHAEL [DE], et al  
• EP 1213107 A1 20020612 - C & E FEIN GMBH & CO KG [DE]  
• DE 10352501 A1 20050602 - BOSCH GMBH ROBERT [DE]  
• US 1947662 A 19340220 - ROBINSON HARRY G  
• US 5496316 A 19960305 - GORIS GREGORY A [US]  
• EP 0650805 A1 19950503 - FEIN C & E [DE]

Cited by  
DE102017007351A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1852218 A1 20071107; EP 1852218 B1 20100602**; AT E469728 T1 20100615; CN 100534708 C 20090902; CN 101066577 A 20071107; DE 102006021969 A1 20071108; DE 202007018679 U1 20090122; DE 202007019145 U1 20100930; DE 502007003988 D1 20100715; DK 1852218 T3 20101004; EP 2208576 A2 20100721; EP 2208576 A3 20101229; EP 2208576 B1 20130619; EP 2208576 B2 20170816; ES 2346152 T3 20101011; PL 1852218 T3 20101231; US 2007295156 A1 20071227; US 7997586 B2 20110816

DOCDB simple family (application)  
**EP 07008184 A 20070423**; AT 07008184 T 20070423; CN 200710100872 A 20070420; DE 102006021969 A 20060504; DE 202007018679 U 20070423; DE 202007019145 U 20070423; DE 502007003988 T 20070423; DK 07008184 T 20070423; EP 10004390 A 20070423; ES 07008184 T 20070423; PL 07008184 T 20070423; US 74432107 A 20070504