

Title (en)  
Electrical tool

Title (de)  
Elektrowerkzeug

Title (fr)  
Outil électrique

Publication  
**EP 0623422 B1 19960710 (DE)**

Application  
**EP 94106314 A 19940422**

Priority  
DE 4314799 A 19930505

Abstract (en)  
[origin: EP0623422A1] An electrical tool, in particular a hand grinder, is specified, having a motor-driven drive shaft (14) which can be coupled either via an oscillating drive to a tool drive shaft (12) or alternatively via a rotary drive to a tool receptacle (48) coaxial with the tool drive shaft (12). For switching over, use is made of a switching element (30) in whose first switching position (31) the drive shaft (14) is driven via the oscillating drive, which may consist, for example, of an eccentric element (28) on the tool drive shaft (14) and a pivoting element (66) sliding guided thereon and fixed on the tool drive shaft (12), in oscillatory fashion at a small pivoting angle and high frequency about the longitudinal axis (13) of the tool drive shaft (12). In the second switching position (32) of the switching element, on the other hand, the operative connection of the oscillating drive is broken and the tool receptacle (48) is driven in rotary fashion by the drive shaft (14) via a bevel gearing (24, 26). <IMAGE>

IPC 1-7  
**B24B 23/00**; **B24B 23/03**; **B24B 23/04**

IPC 8 full level  
**B24B 23/00** (2006.01); **B24B 23/03** (2006.01); **B24B 23/04** (2006.01)

CPC (source: EP US)  
**B24B 23/00** (2013.01 - EP US); **B24B 23/03** (2013.01 - EP US); **B24B 23/04** (2013.01 - EP US)

Cited by  
CN102441873A; EP2366495A1; CN103302641A; CN1115232C; CN103350414A; EP3501732A1; AU2002226192B2; CN103144087A; US7021400B2; US10661407B2; WO02058893A1; WO9742000A1; WO9741999A1

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