

Title (en)  
CORDLESS, HIGH TORQUE POWER TOOL

Title (de)  
NETZUNABHAENGIGES MIT HOHE DREHMOMENT KRAFTSCHRAUBER

Title (fr)  
OUTIL PORTABLE A COUPLE ELEVE

Publication  
**EP 1066673 A4 20010613 (EN)**

Application  
**EP 99914012 A 19990326**

Priority  
• US 9906138 W 19990326  
• US 4851698 A 19980326  
• US 14381498 A 19980831

Abstract (en)  
[origin: WO9949553A1] A portable power tool (20) provides operating torque for a rotary load. The portable power tool (20) includes an offset rotary sleeve (52) for coupling attachment to the power input shaft (39) of the rotary load. A gearing assembly (46) provides right angle torque from an in-line DC motor (38). The gearing assembly (48) is driven by an output power shaft (42) which is powered by a DC electrical motor (38). The rotary sleeve (52) coupling is supported on opposite ends by a first bearing (60) on an upper portion of the rotary sleeve coupling (52) and by a second bearing (55) on a lower portion of the rotary sleeve coupling. The DC motor (38) is powered by a rechargeable battery (32).

IPC 1-7  
**H02K 7/14**; **B25B 21/00**

IPC 8 full level  
**B25B 21/00** (2006.01); **H02K 7/116** (2006.01); **H02K 7/14** (2006.01)

CPC (source: EP)  
**B25B 21/00** (2013.01); **H02K 7/1163** (2013.01); **H02K 7/145** (2013.01)

Citation (search report)  
• [XA] US 3905429 A 19750916 - BERGER ALFRED H  
• [A] BE 369016 A  
• [A] US 4974475 A 19901204 - LORD JOHN M [US], et al  
• [A] US 5404775 A 19950411 - ABE TETSUO [JP]  
• [A] DE 3718087 A1 19871210 - VOLKSWAGEN AG [DE]  
• See references of WO 9949553A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)  
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