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)

WO 9949553 A1 19990930; AU 3195999 A 19991018; AU 742765 B2 20020110; CA 2324488 A1 19990930; CA 2324488 C 20021203; EP 1066673 A1 20010110; EP 1066673 A4 20010613; NZ 507053 A 20021025

DOCDB simple family (application)

US 9906138 W 19990326; AU 3195999 A 19990326; CA 2324488 A 19990326; EP 99914012 A 19990326; NZ 50705399 A 19990326