

Title (en)
POWER TOOL WITH INTERLOCK SYSTEM

Title (de)
ELEKTROWERKZEUG MIT VERRIEGELUNGSSYSTEM

Title (fr)
OUTIL MOTORISÉ À SYSTÈME DE VERROUILLAGE

Publication
EP 2621680 A4 20180328 (EN)

Application
EP 10857654 A 20100927

Priority
CN 2010077356 W 20100927

Abstract (en)
[origin: WO2012040891A1] A power tool comprises a housing, a motor (2) mounted in the housing and having a rotary spindle (4), a trigger (20) configured for switching on/off the motor (2), a support member (10) fixed to the housing, and a spindle lock (40) configured to be actuated to move in a first radial direction (R1) to lock the spindle (4) and a second opposite radial direction (R2) to release the spindle (4). When the trigger (20) is switched on, it moves the spindle lock (40) in a first axial direction (T1), and when the trigger (20) is switched off, the spindle lock (40) is allowed to move in a second opposite axial direction (T2). The spindle lock (40) has a positioning member (44) which cooperates with a stop portion (12) of the support member (10) to prevent the power tool from being switched on and being locked at the same time.

IPC 8 full level
B25F 5/00 (2006.01); **B24B 23/02** (2006.01)

CPC (source: EP)
B24B 23/022 (2013.01); **B25F 5/001** (2013.01)

Citation (search report)

- [A] GB 2327054 A 19990113 - BLACK & DECKER INC [US]
- [A] EP 1704023 A1 20060927 - BOSCH GMBH ROBERT [DE]
- [A] US 2010078187 A1 20100401 - CHEN CHENGZHONG [CN], et al
- See references of WO 2012040891A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2012040891 A1 20120405; EP 2621680 A1 20130807; EP 2621680 A4 20180328

DOCDB simple family (application)
CN 2010077356 W 20100927; EP 10857654 A 20100927