Title (en)
ELECTRIC POWER TOOL

Title (de)
ELEKTRISCHES WERKZEUG

Title (fr)
OUTIL ELECTRIQUE

Publication
EP 2002939 A9 20090520 (EN)

Application
EP 07741017 A 20070404

Priority
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Abstract (en)
[origin: EP2002939A2] An electric power tool "A" operates a working part 5 by repeating rotation of a motor 4 in a normal direction and in a reverse direction one or more times. The motor 4 includes a brushless motor. Sensors H for detecting a position of a rotor 15 are provided on the motor 4 so as to be advanced by an electrical angle of 30°±¸°from an intermediate position between respective stator teeth 16 in a direction of the normal rotation of the rotor 15. A control part 20 for controlling the rotation of the motor 4 controls a driving signal of the motor 4 based on the results of detection by the sensors H. Moreover, the control part 20 selects a detection signal of the sensors H so that relation between the rotor 15 and the detection signal of the sensors H is equivalent in either of the normal rotation and the reverse rotation of the rotor 15.

IPC 8 full level
B25F 5/00 (2006.01); **E04G 21/12** (2006.01); **H02P 6/06** (2006.01); **H02P 6/08** (2006.01); **H02P 6/16** (2016.01); **H02P 6/22** (2006.01)

CPC (source: EP KR NO US)
B25B 25/00 (2013.01 - KR); **B25F 5/02** (2013.01 - EP NO US); **E04G 21/12** (2013.01 - NO); **E04G 21/122** (2013.01 - EP US); **E04G 21/123** (2013.01 - EP KR US); **H02P 6/22** (2013.01 - EP KR NO US); Y10S 388/937 (2013.01 - EP NO US)

Citation (search report)
See references of WO 2007116914A1

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CN105082079A; WO2010072444A1

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)
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