

Title (en)
Power tool

Title (de)
Kraftgetriebenes Handwerkzeug

Title (fr)
Outil électrique

Publication
EP 2724822 B1 20170614 (EN)

Application
EP 13182738 A 20130903

Priority
JP 2012197103 A 20120907

Abstract (en)
[origin: EP2724822A1] A power tool (10) includes a motor (21) that generates rotational power and a power transmission unit (22) that transmits the rotational power from the motor to an output shaft (25). The power transmission unit is configured to reduce a rotation speed related to the rotational power and be capable of shifting a speed reduction ratio. A gear shift actuator (27) shifts a speed reduction ratio of the power transmission unit. A torque detector (41) detects a load torque applied to the output shaft. A control unit (23) controls the gear shift actuator to shift the speed reduction ratio of the power transmission unit in accordance with the detected load torque. The control unit reduces an output of the motor until a predetermined time elapses from when the control unit increased the speed reduction ratio of the power transmission unit by controlling the power transmission unit.

IPC 8 full level
B25F 5/00 (2006.01)

CPC (source: EP)
B25F 5/001 (2013.01)

Cited by
CN112140066A

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2724822 A1 20140430; EP 2724822 B1 20170614; CN 103659747 A 20140326; CN 103659747 B 20160120; JP 2014050924 A 20140320; JP 5958817 B2 20160802

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