Title (en)

Power tool with light unit

Title (de)

Elektrowerkzeug mit Leuchteinheit

Title (fr)

Outil électrique avec unité d'éclairage

Publication

EP 2524775 A3 20161214 (EN)

Application

EP 12168681 A 20120521

Priority

- US 201161487864 P 20110519
- US 201213475002 A 20120518

Abstract (en)

[origin: EP2524775A2] A power tool includes a motor, a light unit, and a switch unit for selectively connecting the motor and the light unit to the power source. A control module includes a controller coupled to a first electronic switch to control power delivery to the motor based on a position of the switch unit, and coupled to a second electronic switch to control power delivery to the light source based on a position of the switch unit. The controller also includes a timer configured to keep the light unit illuminated for a predetermined amount of time after the switch unit has been activated or deactivated. The control module also includes a boot circuit connected to the controller. The boot circuit includes a semiconductor switch configured to continue to deliver power to the controller and to the light unit when the switch unit is deactivated subsequent to being activated, to enable the light unit to remain illuminated after the switch unit has been deactivated.

IPC 8 full level

B25F 5/02 (2006.01)

CPC (source: EP)

B25F 5/021 (2013.01)

Citation (search report)

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- [X] EP 1072842 A2 20010131 - MAKITA CORP [JP]
- [Y] US 2002048166 A1 20020425 - MATSUNAGA YUTAKA [JP]
- [Y] US 2005157489 A1 20050721 - OOMORI KATSUHIRO [JP], et al
- [A] US 2004174699 A1 20040909 - MINALGA PHILIP F [US]
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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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2524775 A2 20121121; **EP 2524775 A3 20161214**; **EP 2524775 B1 20191016**

DOCDB simple family (application)

EP 12168681 A 20120521