

Title (en)
Switching device for garden tools

Title (de)
Schaltvorrichtung für Gartengeräte

Title (fr)
Dispositif de commutation pour outils de jardin

Publication
EP 2875905 A1 20150527 (EN)

Application
EP 13193815 A 20131121

Priority
EP 13193815 A 20131121

Abstract (en)
The invention relates to a switching device for electrically driveable garden tools, which comprises at least one operating unit to control at least one motor and at least one conversion unit (18) to convert a mechanical movement into a proportional electrical signal; wherein said operating unit (14) comprises at least one switch operating element (54) to actuate at least one electrical switch (66) to open and/or close an electrical circuit, and comprises at least one speed operating element (20) for adjusting a rotation speed of said motor (16). The conversion unit (18) according to the invention comprises at least one conversion element (22) which is mechanically coupled to said speed operating element (20) for converting a mechanical movement of said speed operating element (20) into an electrical signal to adjust a rotation speed of said motor (16).

IPC 8 full level
B25F 5/00 (2006.01)

CPC (source: CN EP)
B25F 5/00 (2013.01 - CN EP)

Citation (applicant)
EP 2223778 A2 20100901 - STIHL AG & CO KG ANDREAS [DE]

Citation (search report)
• [XYI] WO 2013122267 A1 20130822 - HITACHI KOKI KK [JP]
• [XI] EP 2474218 A1 20120711 - MAKITA CORP [JP]
• [X] US 2009229131 A1 20090917 - TOMIYAMA HIDEKI [JP], et al
• [Y] DE 102010038750 A1 20120202 - BOSCH GMBH ROBERT [DE]
• [XI] US 2011203118 A1 20110825 - SAITO TAKESHI [JP]
• [A] US 2008235957 A1 20081002 - YOSHIDA KENICHI [JP]

Cited by
EP3790177A1; CN112449906A; US11651911B2

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 2875905 A1 20150527; EP 2875905 B1 20161005; CN 104647312 A 20150527; CN 104647312 B 20181127; FR 3013248 A1 20150522

DOCDB simple family (application)
EP 13193815 A 20131121; CN 201410669392 A 20141120; FR 1461174 A 20141119