

Title (en)
ELECTRIC SWITCH

Title (de)
ELEKTRISCHER SCHALTER

Title (fr)
INTERRUPTEUR ÉLECTRIQUE

Publication
EP 2406801 B1 20151028 (DE)

Application
EP 10715487 A 20100310

Priority
• DE 2010000256 W 20100310
• DE 102009012715 A 20090311

Abstract (en)
[origin: WO2010102610A1] The invention relates to an electric switch (1), in particular for a power tool having an electric motor. The power tool can be an electric drill, a drill hammer, an electric screwdriver or the like. The switch (1) has first electrical connections (3) for the electrical connection to a power supply and second electrical connections (4) for the electrical connection to the electric motor. The switch (1) furthermore has an actuating element (5) which can be adjusted between a starting and an end position, wherein the electric motor is switched off when the actuating element (5) is in the starting position and is switched on when the actuating element (5) is not in the starting position. Optionally, the switch (1) has a control device (6) for the operation, in particular for the control and/or regulation of the electric motor, such as the rotational speed thereof, torque thereof or the like, depending on the adjustment range of the actuating element (5). Furthermore, the switch (1) is provided with a brake circuit (7) for slowing down the electric motor, said brake circuit acting when the actuating element (5) is restored to the starting position. Finally, the switch (1) comprises a reversing circuit (8) for reversing the direction of rotation of the electric motor. The brake circuit (7) is disposed between the second electrical connections (4) and the reversing circuit (8).

IPC 8 full level
H01H 9/06 (2006.01)

CPC (source: EP US)
H01H 9/063 (2013.01 - EP US); **H01H 2300/002** (2013.01 - EP US)

Designated contracting state (EPC)
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)
DE 102009012715 A1 20100916; CN 102396041 A 20120328; CN 102396041 B 20150114; DE 102010010672 A1 20101209;
EP 2406801 A1 20120118; EP 2406801 B1 20151028; US 2012056566 A1 20120308; US 8456113 B2 20130604; WO 2010102610 A1 20100916

DOCDB simple family (application)
DE 102009012715 A 20090311; CN 201080011579 A 20100310; DE 102010010672 A 20100308; DE 2010000256 W 20100310;
EP 10715487 A 20100310; US 201113221048 A 20110830