

Title (en)

CONTROL DEVICE, IN PARTICULAR IN THE FORM OF AN ELECTRIC SWITCH FOR ELECTRIC HAND TOOLS

Title (de)

STEUERGERÄT, INSBESONDERE IN DER ART EINES ELEKTRISCHEN SCHALTERS FÜR ELEKTROHANDWERKZEUGE

Title (fr)

APPAREIL DE COMMANDE, NOTAMMENT DU GENRE INTERRUPTEUR ÉLECTRIQUE POUR OUTILS ÉLECTRIQUES PORTATIFS

Publication

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Appication

EP 07801219 A 20070809

Priority

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Abstract (en)

[origin: WO2008017297A1] The invention relates to a control device, in particular an electric switch (4) for use for an electric hand tool (1), such as a rechargeable and/or mains electric tool, for example drills, grinders, saws, planes, right-angle grinders or the like, with an electric motor (3). The switch (4) has a housing (5) for accommodating at least one heat-producing component part, such as a power transistor, a MOSFET, a triac or the like, which is arranged in particular in an electric circuit arrangement, which is used, for example, for controlling and/or regulating the electric motor (3) by means of corresponding control and/or regulation of the electric load current flowing through the component part to the electric motor (3). A means (8) for conducting heat is connected on one side to the housing (5) of the electric switch (4) and/or to the heat-producing component part, in particular to the power semiconductor located in the housing (5), and on the other side to a cooled region (9) associated with the switch (4).

IPC 8 full level

H01H 9/06 (2006.01); **H01H 9/52** (2006.01)

CPC (source: EP US)

B25F 5/008 (2013.01 - EP US); **H01H 9/06** (2013.01 - EP US); **H01H 9/52** (2013.01 - EP US); **H01H 2009/523** (2013.01 - EP US)

Cited by

US9318932B2; US9812930B2; US9787159B2; US10348159B2; US10693345B2; US10978933B2; US11777369B2; US9774229B1; US9960656B2; US10530220B2; US11031843B2; US11047528B2; US11923752B2

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