

Title (en)

CONTROL DEVICE FOR AN ELECTRIC MOTOR

Title (de)

ANSTEUEREINRICHTUNG FÜR EINEN ELEKTROMOTOR

Title (fr)

DISPOSITIF DE COMMANDE POUR UN MOTEUR ELECTRIQUE

Publication

EP 1374653 B1 20050420 (DE)

Application

EP 02735012 A 20020322

Priority

- DE 0201059 W 20020322
- DE 10114574 A 20010324

Abstract (en)

[origin: DE10212721A1] The control device uses at least one power semiconductor (3) for supplying the voltage to the electric motor (23) and an associated control circuit (4), mounted on a printed circuit board (2). The power semiconductor is mounted directly on the printed circuit board or attached to a carrier element (7), in turn mounted on the printed circuit board. An Independent claim for an electric handtool is also included.

IPC 1-7

H05K 7/20; **B25F 5/02**

IPC 8 full level

B25F 5/02 (2006.01); **H05K 7/20** (2006.01)

CPC (source: EP US)

B25F 5/008 (2013.01 - EP); **B25F 5/02** (2013.01 - EP US); **Y10S 388/937** (2013.01 - EP)

Cited by

US9318932B2; US9812930B2; US9787159B2; US10348159B2; US10693345B2; US10978933B2; US11777369B2; US9450471B2; US9774229B1; US9960656B2; US10530220B2; US11031843B2; US11047528B2; US11923752B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 10212721 A1 20020926; DE 50202845 D1 20050525; EP 1374653 A1 20040102; EP 1374653 B1 20050420; US 2004112616 A1 20040617; US 7359628 B2 20080415; WO 02078416 A1 20021003

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DE 10212721 A 20020321; DE 0201059 W 20020322; DE 50202845 T 20020322; EP 02735012 A 20020322; US 47269103 A 20030924