

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 A1 20040102 (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)

Citation (search report)

See references of WO 02078416A1

Cited by

US9318932B2; US9812930B2; US9787159B2; US10348159B2; US10693345B2; US10978933B2; US11777369B2; US12081104B2; US9450471B2; US9774229B1; US9960656B2; US10530220B2; US11031843B2; US11047528B2; US11923752B2

Designated contracting state (EPC)

CH DE FR GB LI NL SE

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

DOCDB simple family (application)

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