

Title (en)

Torque actuated safety clutch for chuck locking device in electric power tool

Title (de)

Drehmomentgeschaltete Sicherheitskupplung für ein Klemmgesperre des Futters eines Elektrowerkzeuges

Title (fr)

Embrayage de sécurité à limitation de couple pour dispositif de blocage du mandrin d'un outil électrique

Publication

**EP 1083029 B1 20040102 (DE)**

Application

**EP 00115016 A 20000724**

Priority

DE 19942271 A 19990904

Abstract (en)

[origin: EP1083029A1] The tool has a machine housing with a drive motor, a tool chuck connected to a driven spindle and a clamp lock for fixing the spindle to the housing. The clamp lock (30) automatically releases the spindle when torque is transferred from the drive motor to the chuck and clamps it if torque is transferred from the chuck to the drive motor. The tool has a torque-switched safety coupling (39) integrated into the clamp lock.

IPC 1-7

**B25F 5/00**

IPC 8 full level

**B25B 23/157** (2006.01); **B25D 17/10** (2006.01); **B25F 5/00** (2006.01)

CPC (source: EP)

**B25F 5/001** (2013.01)

Cited by

DE102008042423A1; CN103737560A; DE102004052124B3; EP1652631A1; US8955617B2; US9108306B2; WO2010079002A1; EP1307313B2

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DOCDB simple family (publication)

**EP 1083029 A1 20010314**; **EP 1083029 B1 20040102**; AT E257059 T1 20040115; DE 19942271 A1 20010315; DE 19942271 C2 20020131; DE 50004914 D1 20040205; ES 2211421 T3 20040716

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