

Title (en)

Clamping device for hexagonal bits

Title (de)

Spanneinrichtung für Sechskantbits

Title (fr)

Dispositif de serrage pour embouts de tournevis hexagonaux

Publication

EP 1506843 B1 20080611 (DE)

Application

EP 04017796 A 20040728

Priority

DE 10337470 A 20030814

Abstract (en)

[origin: EP1506843A1] The chuck device has a hexagonal socket (2) for bits (3), with a radially moveable bolt (4) to engage into an aperture of the bit. The bolt is esp. spherical (18), and in a rest position relative to its radial position, it is fixed by a cylindrical holder wall (12) of a bolt sleeve (13). In axial insert direction (6) of the bit, the bolt is moved into a retention position for a radial movement. The bolt is esp. moved against the force of a pressure spring (7) enclosing the hexagonal socket. The chuck device is mounted on a tool shaft (19) of esp. a hand-held drill etc., and is integrated in the end face of the shaft.

IPC 8 full level

B25B 23/00 (2006.01); **B25B 15/02** (2006.01)

CPC (source: EP US)

B25B 15/02 (2013.01 - EP US); **B25B 23/0035** (2013.01 - EP US); **Y10T 279/17752** (2015.01 - EP US); **Y10T 408/953** (2015.01 - EP US)

Cited by

CN102794731A; US11660681B2; US8276483B2; US11685032B2; WO2022005929A1; US9434057B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1506843 A1 20050216; **EP 1506843 B1 20080611**; DE 10337470 A1 20050317; DE 502004007348 D1 20080724; US 2005036844 A1 20050217; US 7121774 B2 20061017

DOCDB simple family (application)

EP 04017796 A 20040728; DE 10337470 A 20030814; DE 502004007348 T 20040728; US 71089304 A 20040811