

Title (en)
Device for connecting a tool to driving means

Title (de)
Vorrichtung zum Verbinden eines Werkzeugs mit einem Antrieb

Title (fr)
Dispositif pour connecter un outil avec un entraînement

Publication
EP 1157785 A3 20020619 (DE)

Application
EP 01112523 A 20010523

Priority
DE 10026205 A 20000526

Abstract (en)
[origin: EP1157785A2] The device has a drive element (1) connected to the drive unit, a take-off element (5) connected to a tool holder (9), and a coupling element (11) with two ends (12,13) connected to drive and take-off elements. The central section of the coupling carries, resp. is formed as, a spring plate coupling. Drive and take-off elements are positioned to be always coaxial. At least one end of the coupling elements is polygonal. The tool is a screw driver bit, or a drill/cutting tool. The axial space between two neighboring spring plates of the coupling element is filled with injected plastic, esp. elastomer.

IPC 1-7
B25B 23/00; **B25B 23/14**; **B23B 31/08**

IPC 8 full level
B25B 13/06 (2006.01); **B25B 15/00** (2006.01); **B25B 23/00** (2006.01); **B25B 23/14** (2006.01); **B25B 23/142** (2006.01)

CPC (source: EP US)
B25B 13/06 (2013.01 - EP US); **B25B 15/001** (2013.01 - EP US); **B25B 23/00** (2013.01 - EP US); **B25B 23/14** (2013.01 - EP US); **B25B 23/142** (2013.01 - EP US); **Y10T 408/953** (2015.01 - EP US); **Y10T 408/957** (2015.01 - EP US)

Citation (search report)

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- [A] DE 352392 C 19220426 - BBC BROWN BOVERI & CIE
- [DA] EP 0318669 A1 19890607 - VMA NC MESS UND ANTRIEBSTECHNI [DE]
- [DA] DE 4143218 A1 19920903 - HOLLAND LETZ FELO WERKZEUG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 084 (M - 016) 17 June 1980 (1980-06-17)

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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1157785 A2 20011128; **EP 1157785 A3 20020619**; DE 10026205 A1 20011129; US 2002000334 A1 20020103; US 6640911 B2 20031104

DOCDB simple family (application)
EP 01112523 A 20010523; DE 10026205 A 20000526; US 86522401 A 20010525