

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