

Title (en)

HOLDING ARRANGEMENT FOR PUNCHING TOOL INSERT

Title (de)

HALTEANORDNUNG FÜR STANZWERKZEUGEINSATZ

Title (fr)

DISPOSITIF DE BLOCAGE POUR PLAQUETTE D'OUTIL DE POIN ONNAGE

Publication

**EP 1406752 A1 20040414 (EN)**

Application

**EP 01999465 A 20011203**

Priority

- DE 10060339 A 20001204
- US 0145102 W 20011203

Abstract (en)

[origin: WO0245924A1] A holding arrangement for attaching a tool insert to a holder with the aid of a ball which is movably held in an obliquely disposed conduit; the width of a conduit opening at the recess opening being less than the ball diameter. In the locked position, the ball, under the influence of a compression spring, is located in an indentation in an outer face of the tool insert. To enable initiating such locking even in thin holders, the upper opening of the conduit is covered by a holding element which forms an abutment for the compression spring. As a result, there is a considerable gain in spring travel, which makes it possible to use this holding arrangement even in thin holders.

IPC 1-7

**B26D 7/26**; B26F 1/14

IPC 8 full level

**B21D 28/34** (2006.01); **B26D 7/26** (2006.01)

CPC (source: EP)

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Cited by

US8997617B2; US9186717B2

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**WO 0245924 A1 20020613**; **WO 0245924 A9 20021219**; AU 1999502 A 20020618; DE 10060339 A1 20020613; DE 10060339 B4 20161124; EP 1406752 A1 20040414; EP 1406752 A4 20061227; EP 1406752 B1 20090225

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