

Title (en)

Roller tool for cutting a film positioned on a workpiece and cutting device comprising such a roller tool

Title (de)

Rollenwerkzeug zum Schneiden einer auf einem Werkstück aufgetragenen Folie sowie Schneidvorrichtung mit einem derartigen Rollenwerkzeug

Title (fr)

Outil à rouleau pour la coupe d'un film appliqué à une pièce ainsi que dispositif de coupe comprenant un tel outil à rouleau

Publication

EP 1747859 A1 20070131 (DE)

Application

EP 06009908 A 20060513

Priority

- DE 202005011908 U 20050729
- DE 102006003719 A 20060126

Abstract (en)

The tool (2) is equipped with a roller (4) moving around a horizontal shaft (5) and provided with a blade (8) with a triangular cross section. Two needle bearings (6) are axially positioned between shaft (5) and roller (4). The object to be processed is positioned between the rotating blade (8) and a counter element with several pressure springs accommodated in a flat circular housing. The tool (2) can be used in a CNC-device and attached to the clamping unit normally holding a die.

IPC 8 full level

B26D 3/08 (2006.01); **B26D 7/20** (2006.01)

CPC (source: EP)

B26D 3/08 (2013.01); **B26D 7/20** (2013.01); **B26F 1/3806** (2013.01); **B26D 7/2628** (2013.01); **B26D 2007/2685** (2013.01)

Citation (applicant)

- WO 03057440 A1 20030717 - MITSUBOSHI DIAMOND IND CO LTD [JP], et al
- DE 456721 C 19280229 - MAURICE CLAUDE
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- DE 903137 C 19540201 - FRITZ BAESSLER
- FR 2168775 A5 19730831 - GERBER SCIENTIFIC INSTR CO [US]
- WO 03103907 A2 20031218 - BIERREBI SPA [IT], et al
- US 3668956 A 19720613 - WHIPPLE DOUGLAS W, et al

Citation (search report)

- [XY] FR 2168775 A5 19730831 - GERBER SCIENTIFIC INSTR CO [US]
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- [DY] WO 03057440 A1 20030717 - MITSUBOSHI DIAMOND IND CO LTD [JP], et al
- [Y] US 3668956 A 19720613 - WHIPPLE DOUGLAS W, et al
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- [X] US 4210052 A 19800701 - FISHER ARNOLD R [US]
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1747859 A1 20070131; **EP 1747859 B1 20101027**; AT E485926 T1 20101115; DE 102006003719 A1 20070201; DE 502006008167 D1 20101209

DOCDB simple family (application)

EP 06009908 A 20060513; AT 06009908 T 20060513; DE 102006003719 A 20060126; DE 502006008167 T 20060513