

Title (en)

TOOL AND METHOD FOR PRECISION CUTTING

Publication

**EP 0043389 B1 19841010 (DE)**

Application

**EP 80200663 A 19800708**

Priority

EP 80200663 A 19800708

Abstract (en)

[origin: CA1175341A] In the manufacture of external and internal shapes from metallic material with cut faces free of break-offs, the stamping technique can be used only up to limiting values of  $D/S = 1$  or  $A/S = 1$  ( $D$  = hole diameter,  $S$  = material thickness,  $A$  = web or edge width). Nor does the conventional art of precision cutting achieve sufficient limiting values. The invention improves the known precision-cutting tools by doing away with the conventional knife-edged rings, instead of which the material to be precision-cut is supported, on its shell surface outside the cutting line by supporting members located at the side of the cutting punch. Limiting values, which it has been possible to achieve hitherto only by means of the much more expensive machinecutting processes, are obtained as a result.

IPC 1-7

**B21D 28/16**; **B21D 28/26**

IPC 8 full level

**B21D 28/14** (2006.01); **B21D 28/16** (2006.01)

CPC (source: EP US)

**B21D 28/16** (2013.01 - EP US); **Y10T 83/06** (2015.04 - EP US)

Citation (examination)

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- DE 511609 C 19301031 - NAT MACHINERY CO
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Designated contracting state (EPC)

AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0043389 A1 19820113**; **EP 0043389 B1 19841010**; AT E9768 T1 19841015; CA 1175341 A 19841002; DD 201757 A5 19830810; DE 3069413 D1 19841115; SU 1032994 A3 19830730; US 4509395 A 19850409

DOCDB simple family (application)

**EP 80200663 A 19800708**; AT 80200663 T 19800708; CA 381367 A 19810708; DD 23137481 A 19810701; DE 3069413 T 19800708; SU 3301193 A 19810623; US 27956081 A 19810701