

Title (en)

Tool for forming in ogive like form, for spinning or fluopiercing of pieces of a round or ovoid section

Title (de)

Werkzeug zum spitzbogenförmig Formen, zum Fliessdrehen oder zum Fliessstanzen von metallischen Werkstücken mit kreisförmigem oder eiförmigem Querschnitt

Title (fr)

outil pour l'ogivage, le fluotournage, ou le fluoperçage de pièces métalliques de section ronde et/ou ovoïde

Publication

**EP 1447152 B1 20110622 (FR)**

Application

**EP 04300069 A 20040209**

Priority

FR 0301452 A 20030207

Abstract (en)

[origin: EP1447152A1] The device has a tool (1) in ceramic on a nosing unit of a metallic unit. The tool is lead from a translation movement and/or rotation movement while the metallic unit is lead from a rotation movement around its main axis. The tool has a succession of contours, projections (10, 11) and grooves formed on its surface to produce an increase of the temperature of the metallic at the time of the intrusion. An independent claim is also included for an application of the device for the conception of units entering in the composition of exhaust lines /routes of automobile vehicles.

IPC 8 full level

**B21C 37/29** (2006.01); **B21D 41/04** (2006.01)

CPC (source: EP)

**B21C 37/298** (2013.01); **B21D 41/045** (2013.01); **B21J 5/066** (2013.01); **B21K 21/14** (2013.01)

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DOCDB simple family (publication)

**EP 1447152 A1 20040818; EP 1447152 B1 20110622**; AT E513634 T1 20110715; FR 2850889 A1 20040813; FR 2850889 B1 20060324

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