

Title (en)
Tool for processing materials

Title (de)
Werkzeug zum Bearbeiten von Materialien

Title (fr)
Outil destiné au traitement de matériaux

Publication
EP 2641696 B2 20170906 (DE)

Application
EP 13159094 A 20130313

Priority
DE 102012005085 A 20120313

Abstract (en)
[origin: EP2641696A1] The tool has a support structure (1) including thickness and a retainer (A) for axles, which displace the support structure in motion. The thickness of the support structure is partially reduced in a region to be formed in a square-type recess (2) that extends from an inner region (3) in direction of an outer edge (3') of the support structure. The recess is provided in a base surface and includes long sides (2') that are connected with short sides (2''), where the short sides are circularly shaped in a section.

IPC 8 full level
B24D 5/10 (2006.01); **B24D 5/16** (2006.01)

CPC (source: EP)
B24D 5/10 (2013.01); **B24D 5/16** (2013.01)

Citation (opposition)
Opponent :

- EP 1174207 B1 20061025 - REUL WOLFGANG [DE]
- DE 2717935 A1 19781026 - KOENIG J GMBH & CO WERKZEUGFAB
- DE 102005034258 A1 20070125 - FRAUNHOFER GES FORSCHUNG [DE]
- US 2089847 A 19370810 - JOHN GREENWOOD
- US 579414 A 18970323
- US 4252481 A 19810224 - KRIEG ADRIAN H
- WO 9954089 A1 19991028 - SWAROVSKI TYROLIT SCHLEIF [AT], et al
- DE 4243480 A1 19940623 - SANSHU PRESS KOGYO KK [JP]

Cited by
DE102015122233A1; EP3009233A1; US2019168360A1; EP3575034A3; WO2018027250A1; US9776304B2; US10144114B2; EP3575034A2; DE102013105616A1; EP3000558A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2641696 A1 20130925; EP 2641696 B1 20140430; EP 2641696 B2 20170906; DE 102012005085 A1 20130919; PL 2641696 T3 20141031; PL 2641696 T5 20180530

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