

Title (en)

Apparatus for grinding and/or finishing of a workpiece

Title (de)

Vorrichtung zum Schleifen und/oder Finishen eines Werkstücks

Title (fr)

Dispositif pour meuler et/ou finir une pièce

Publication

**EP 1741514 A1 20070110 (DE)**

Application

**EP 05014721 A 20050707**

Priority

EP 05014721 A 20050707

Abstract (en)

The apparatus has a workpiece opening (22, 28) for a workpiece (8). The workpiece and the workpiece opening have a driver (60) providing a shiftable reciprocating motion (86) with a reciprocating unit (96). A balance unit (94) is provided which is propelled in opposite directions for the reciprocating movement of the reciprocating unit. The reciprocating unit reciprocates along a first axis (24) and the balance unit moves along a second axis being parallel to the first. The axes are coaxial to each other.

IPC 8 full level

**B24B 35/00** (2006.01); **B24B 47/16** (2006.01)

CPC (source: EP US)

**B24B 35/00** (2013.01 - EP US); **B24B 47/16** (2013.01 - EP US); **Y10S 451/91** (2013.01 - EP)

Citation (applicant)

DE 20006229 U1 20000921 - THIELENHAUS ERNST GMBH & CO KG [DE]

Citation (search report)

- [DA] DE 20006229 U1 20000921 - THIELENHAUS ERNST GMBH & CO KG [DE]
- [A] DE 3919359 C1 19900222
- [A] DE 2924324 A1 19800124 - WERKZEUGMASCH OKT VEB
- [A] US 4136487 A 19790130 - KHOKHULIN VLADIMIR N, et al

Cited by

DE102010060471A1; DE102010060471B4; EP2750829B1; EP2750829B2

Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1741514 A1 20070110**; **EP 1741514 B1 20080319**; CN 101228003 A 20080723; CN 101228003 B 20110427;  
DE 502005003334 D1 20080430; US 2008102733 A1 20080501; US 7771252 B2 20100810; WO 2007019897 A1 20070222

DOCDB simple family (application)

**EP 05014721 A 20050707**; CN 200680024379 A 20060518; DE 502005003334 T 20050707; EP 2006004714 W 20060518;  
US 96411807 A 20071226