

Title (en)

Hand tool machine, in particular manual angle grinder

Title (de)

Handwerkzeugmaschine, insbesondere handgeführte Winkelschleifmaschine

Title (fr)

Machine-outil, notamment meuleuse d'angle manuelle

Publication

**EP 2428316 A1 20120314 (DE)**

Application

**EP 11188526 A 20081119**

Priority

- EP 08873780 A 20081119
- DE 102008000888 A 20080331

Abstract (en)

The hand-held machine tool comprises a tool, which is carried by a drive shaft extending through an axle journal (3) and is partially covered by a protective casing (1). A protection collar (4) is provided, which is mounted on the axle journal. The clamp ends (9,10) are provided, which are slidable against each other over a clamping unit in clamping manner and in opening direction.

Abstract (de)

Bei einer erfindungsgemäßen Handwerkzeugmaschine, insbesondere in der Ausgestaltung als handgeführte Winkelschleifmaschine, wird die drehverstellbare und in verschiedenen Drehstellungen zu einem gehäuseseitigen Lagerhals (3) fixierbare Schutzhaube (1) über eine Spannschelle (8) zum Lagerhals (3) verspannt, deren Spannenden (9, 10) über eine Spannvorrichtung (16) in Spann- und Öffnungsrichtung zwangsgekoppelt sind.

IPC 8 full level

**B24B 23/02** (2006.01); **B24B 55/05** (2006.01)

CPC (source: EP)

**B24B 23/02** (2013.01); **B24B 55/052** (2013.01)

Citation (search report)

- [I] DE 102006022386 A1 20071115 - BOSCH GMBH ROBERT [DE]
- [A] FR 931202 A 19480217
- [A] US 3503431 A 19700331 - VILLO JOSEPH P, et al
- [A] WO 2006109001 A1 20061019 - CAILLAU ETS [FR], et al
- [A] GB 1278732 A 19720621 - KABEL METALLWERKE GHH [DE]

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 102008000888 A1 20091001; DE 102008000888 A8 20100617**; CN 101983115 A 20110302; EP 2276609 A1 20110126; EP 2276609 B1 20130227; EP 2428316 A1 20120314; EP 2428316 B1 20130306; RU 2010144312 A 20120510; RU 2502589 C2 20131227; WO 2009121432 A1 20091008

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**DE 102008000888 A 20080331**; CN 200880128421 A 20081119; EP 08873780 A 20081119; EP 11188526 A 20081119; EP 2008065847 W 20081119; RU 2010144312 A 20081119