

Title (en)

SHARPENING DEVICE FOR KNIFE BLADES

Title (de)

SCHÄRFVORRICHTUNG FÜR MESSERKLINGEN

Title (fr)

DISPOSITIF D'AFFUTAGE DE LAMES DE COUTEAU

Publication

**EP 2073956 B1 20100623 (DE)**

Application

**EP 07801296 A 20070831**

Priority

- DE 2007001559 W 20070831
- DE 102006041538 A 20060905

Abstract (en)

[origin: US2010112921A1] A sharpening device (1) with a guiding slot (6) for knife blade to be sharpened and main sharpening rods (10a, 10b) arranged on both sides of the guiding slot (6) that cross each other at a crossing point (11) in the area of the guiding slot (6) and that execute pivoting movements (14a, 14b) against an elastic spring-activated resetting force when a knife blade abuts against them, is additionally equipped with pre-sharpening elements (7a, 7b) in at least one longitudinal segment of the guiding slot (6). During its course along the guiding slot, a knife blade to be sharpened abuts against the fixed pre-sharpening elements (7a, 7b) and against the movable main sharpening rods (10a, 10b) whereby the sharpening effect of the sharpening device (1) on the knife blade is increased.

IPC 8 full level

**B24D 15/08** (2006.01)

CPC (source: EP US)

**B24D 15/081** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

BA MK RS

DOCDB simple family (publication)

**US 2010112921 A1 20100506**; AT E471793 T1 20100715; DE 102006041538 B3 20080110; DE 502007004213 D1 20100805; DK 2073956 T3 20101011; EP 2073956 A1 20090701; EP 2073956 B1 20100623; WO 2008028464 A1 20080313

DOCDB simple family (application)

**US 31069707 A 20070831**; AT 07801296 T 20070831; DE 102006041538 A 20060905; DE 2007001559 W 20070831; DE 502007004213 T 20070831; DK 07801296 T 20070831; EP 07801296 A 20070831