

Title (en)

SHARPENING DEVICE HAVING ABRASIVE BELTS ARRANGED CROSSWISE

Title (de)

SCHÄRFUNGSVORRICHTUNG MIT KREUZWEISE ANGEORDNETEN SCHLEIFBÄNDERN

Title (fr)

DISPOSITIF D'AFFÛTAGE À BANDES ABRASIVES DISPOSÉES EN CROIX

Publication

EP 3142830 A1 20170322 (FR)

Application

EP 15732303 A 20150513

Priority

- FR 1454317 A 20140515
- FR 2015051266 W 20150513

Abstract (en)

[origin: WO2015173518A1] The present invention relates to a sharpening device (1) for a blade of a cutting tool such as a knife or similar, which sharpening device comprises at least two moving abrasive belts (2; 3, 4), each having a top active abrasive surface and a bottom surface, which belts (2; 3, 4) are longitudinally offset and arranged crosswise to form a crossing line (8) defining, on one side, a sharpening dihedron (9) formed by said moving top surfaces of said belts (2; 3, 4), and on the other side, an underlying dihedron (10) formed by said moving bottom surfaces of said belts (2; 3, 4). In accordance with the invention, said sharpening device comprises means (15) of bearing against one of said bottom surfaces of said belts (2; 3, 4), at said underlying dihedron (10), which bearing means (15) are able to vary the angle of said sharpening dihedron (9) in an alternating manner, during the movement of the belts (2, 3, 4).

IPC 8 full level

B24B 21/20 (2006.01); **B24B 3/54** (2006.01); **B24B 21/00** (2006.01)

CPC (source: EP)

B24B 3/54 (2013.01); **B24B 21/006** (2013.01); **B24B 21/20** (2013.01)

Citation (search report)

See references of WO 2015173518A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015173518 A1 20151119; EP 3142830 A1 20170322; EP 3142830 B1 20231206; EP 3142830 C0 20231206; FR 3020976 A1 20151120; FR 3020976 B1 20160513

DOCDB simple family (application)

FR 2015051266 W 20150513; EP 15732303 A 20150513; FR 1454317 A 20140515