

Title (en)

Oscillating single bladed knives and method of cutting with such knives

Title (de)

Schwenkbare Einzelmesser sowie Verfahren zum Schneiden mit solchen Messern

Title (fr)

Couteaux basculants à lame simple ainsi que procédé de coupe avec de tels couteaux

Publication

EP 1190821 A3 20041103 (DE)

Application

EP 01119891 A 20010817

Priority

DE 10047545 A 20000922

Abstract (en)

[origin: EP1190821A2] The cutting device has at least one swivel fitted blade (9) guided by a blade holder. The swivel connection defines a rotational axis which is either parallel or at an acute angle to a perpendicular to the plane which is spanned by the radial and axial (r, z) co-ordinates of the roller. At least one blade is attached to a cutter bar (8) to carry out translation movement in the radial and/or axial direction of the roller. Independent claim describes method for cutting material webs where cutting movement executed by cutting faces of the at least one blade has rotational components.

IPC 1-7

B26D 1/42

IPC 8 full level

B65H 35/08 (2006.01); **B26D 1/18** (2006.01); **B26D 1/30** (2006.01); **B26D 1/42** (2006.01); **B26D 11/00** (2006.01)

CPC (source: EP US)

B26D 1/185 (2013.01 - EP US); **B26D 1/305** (2013.01 - EP US); **B26D 1/425** (2013.01 - EP US); **B26D 11/00** (2013.01 - EP US); **Y10T 83/4708** (2015.04 - EP US); **Y10T 83/4812** (2015.04 - EP US); **Y10T 83/4815** (2015.04 - EP US); **Y10T 83/483** (2015.04 - EP US); **Y10T 83/9396** (2015.04 - EP US); **Y10T 83/9408** (2015.04 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1190821 A2 20020327; **EP 1190821 A3 20041103**; **EP 1190821 B1 20090325**; AT E426490 T1 20090415; BR 0104166 A 20020528; CA 2357579 A1 20020322; DE 10047545 A1 20020502; DE 10047545 B4 20071227; DE 50114783 D1 20090507; JP 2002187669 A 20020702; US 2002066347 A1 20020606; US 6766722 B2 20040727

DOCDB simple family (application)

EP 01119891 A 20010817; AT 01119891 T 20010817; BR 0104166 A 20010920; CA 2357579 A 20010920; DE 10047545 A 20000922; DE 50114783 T 20010817; JP 2001291948 A 20010925; US 96072901 A 20010924