

Title (en)

Method and apparatus for monitoring the distance between the knives in a machine with a rotary knife

Title (de)

Verfahren sowie Einrichtung zur Überwachung des Abstands zwischen den Messern einer Rotationsschneidvorrichtung

Title (fr)

Procédé ainsi que dispositif pour surveiller la distance entre les lames dans une machine avec un couteau rotatif

Publication

**EP 1177866 A3 20040102 (DE)**

Application

**EP 01118038 A 20010725**

Priority

DE 10037709 A 20000802

Abstract (en)

[origin: EP1177866A2] The rotary cutter assembly has a rotary cutting blade (2) and a counter blade (4), forming a cutting gap (6) between them. The cutting edge of the rotary blade and the cutting edge (16) of the counter blade are electrically insulated from each other. Both cutting edges have an electrical connection to the inputs (26,27) of a monitor unit (24), which registers the electrical resistance between the inputs and generates an optical and/or acoustic signal if the resistance drops below a given threshold value.

IPC 1-7

**B26D 7/26**

IPC 8 full level

**B26D 7/26** (2006.01)

CPC (source: EP US)

**B26D 7/2635** (2013.01 - EP US); **B26D 2210/02** (2013.01 - EP US); **Y10T 83/04** (2015.04 - EP US); **Y10T 83/089** (2015.04 - EP US); **Y10T 83/141** (2015.04 - EP US); **Y10T 83/148** (2015.04 - EP US); **Y10T 83/4838** (2015.04 - EP US); **Y10T 83/85** (2015.04 - EP US)

Citation (search report)

- [X] DE 19632438 A1 19980219 - EMTEC MAGNETICS GMBH [DE]
- [A] US 3912434 A 19751014 - NAGAHARA MASAO, et al
- [X] DE 19643261 A1 19980423 - TOPACK VERPACKTECH GMBH [DE]

Cited by

EP2660018A1; FR2913626A1; EP1724077A1; EP3943263A1; US11911925B2

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