

Title (en)

Method and device for cutting at least a mobile continuous rod in the tobacco industry

Title (de)

Verfahren und Vorrichtung zum Zertrennen mindestens eines endlosen bewegten Stranges der tabakverarbeitenden Industrie

Title (fr)

Procédé et dispositif pour couper au moins une tige continue mobile dans l'industrie du tabac

Publication

**EP 1108367 A3 20041215 (DE)**

Application

**EP 00126650 A 20001205**

Priority

DE 19961254 A 19991218

Abstract (en)

[origin: EP1108367A2] The device uses circulating blade with at least one guide for the product run driven by a crank drive synchronously with the blade. A crank rod is located on a crank pin eccentric to the crank drive shaft and is connected to a support for the product run guide. A first circulating compensating mass is provided in the area of the crank or its drive. A second compensating mass (42) receives around a shaft (43), which has a distance from the shaft (40) around which the first compensating means (41) revolves. The support or pinion (8) is formed from flexible support components (22-24) formed as leaf springs. At a distance from the drive shaft (37) of the crank (36) is a compensation shaft (44) driving the second compensating mass to revolve synchronously.

IPC 1-7

**A24C 5/28**

IPC 8 full level

**A24C 5/28** (2006.01); **B26D 7/01** (2006.01)

CPC (source: EP US)

**A24C 5/28** (2013.01 - EP US); **B26D 7/01** (2013.01 - EP US); **B26D 2007/013** (2013.01 - EP US); **Y10S 83/931** (2013.01 - EP US); **Y10T 74/18072** (2015.01 - EP US); **Y10T 83/04** (2015.04 - EP US); **Y10T 83/0448** (2015.04 - EP US); **Y10T 83/2203** (2015.04 - EP US); **Y10T 83/4734** (2015.04 - EP US); **Y10T 83/4766** (2015.04 - EP US); **Y10T 83/4818** (2015.04 - EP US); **Y10T 83/546** (2015.04 - EP US)

Citation (search report)

- [A] US 4444210 A 19840424 - SCHUMACHER PETER [DE]
- [DA] GB 1556267 A 19791121 - MOLINS LTD
- [DA] US 4534252 A 19850813 - HARRINGTON TIMOTHY C [GB], et al
- [A] GB 383391 A 19321117 - MULLER J C & CO

Cited by

DE102006044636A1; EP1815757A1; WO2016005933A1; WO2014140968A1

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