

Title (en)

Device and pressure rib for cutting fibres into pieces

Title (de)

Verfahren und Vorrichtung zum Schneiden von Fasern in Stücke

Title (fr)

Procédé et dispositif pour couper des fibres en morceaux

Publication

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Application

EP 03078077 A 19991122

Priority

- EP 99973082 A 19991122
- NL 1010665 A 19981127
- NL 1012286 A 19990610

Abstract (en)

[origin: WO0032856A1] A method for cutting fibres into pieces, wherein a fibre is divided into pieces by pressing a knife against the fibre without exerting a substantial counterpressure on the other side of the fibre where the knife is present. The fibre is led between a knife roller, which is fitted with several, substantially axially oriented knives, and a pressure roller, which rollers are driven in opposite directions at the same peripheral velocity. The fibre is thereby clamped down between the pressure ribs, which are present between the knives on the knife roller, and the pressure roller, wherein a knife cuts through the fibre substantially without counterpressure from the pressure roller.

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D01G 1/04

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] US 3353431 A 19671121 - JOHN MYLO
- [A] US 4083279 A 19780411 - WESTER THOMAS JOSEPH, et al
- [A] EP 0411572 A1 19910206 - NITTO BOSEKI CO LTD [JP]
- [A] US 4063479 A 19771220 - RONCATO GIORDANO

Cited by

EP2727694A1; WO2014067762A1; US10052654B2; EP2727693A1; WO2014067763A1; US10059042B2

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