

## Title (en)

DEVICE FOR LONGITUDINALLY CUTTING A WEB OF CONTINUOUSLY MOVING MATERIAL TO FORM A STRIP WITH VARIABLE LONGITUDINAL PROFILE

## Title (de)

VORRICHTUNG ZUM LÄNGSSCHNEIDEN EINER BAHN AUS SICH KONTINUIERLICH BEWEGENDEM MATERIAL ZUR BILDUNG EINES STREIFENS MIT VARIABLEM LÄNGENPROFIL

## Title (fr)

DISPOSITIF DE COUPE LONGITUDINALE D'UNE LAIZE DE MATERIAU DEFILANT EN CONTINU POUR FORMER UNE BANDE A PROFIL LONGITUDINAL VARIABLE

## Publication

**EP 1922187 A1 20080521 (FR)**

## Application

**EP 06778906 A 20060724**

## Priority

- FR 2006001798 W 20060724
- FR 0507878 A 20050725

## Abstract (en)

[origin: CA2612909A1] The invention concerns a device for cutting, in a web of continuously moving material, a variable longitudinal profile with predetermined and controlled random sequence, while being a simple, inexpensive and easy-to-use device capable of coping with high production rates. The inventive cutting device (5) comprises a pair of cutting tools (60) including two circular blades (61) co-operating with an anvil roll (71) arranged perpendicularly to the moving direction D of the web of material. Said cutting tools (60) are mounted mobile along two axes relative to a frame (50): one axis of rotation (A) perpendicular to the anvil roll (71) so as to modify the cutting angle of each cutting tool and one axis of translation (B) parallel to the anvil roll (71) so as to modify the space between the two cutting tools (60). Each cutting tool (60) is coupled to a rotational drive mechanism (8) and a translational drive mechanism (90) controlled in combination along the two axes (A, B) by a central control unit based on a cutting line with variable profile and with a predetermined random sequence. The invention is applicable to the manufacture of paper, fabric, plastic film and the like and in particular to mail processing machines.

## IPC 8 full level

**B26D 3/10** (2006.01)

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## Citation (search report)

See references of WO 2007012739A1

## Citation (examination)

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- DE 19625818 A1 19980102 - BIELOMATIK LEUZE & CO [DE]
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## DOCDB simple family (application)

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