

Title (en)

A CUTTING UNIT FOR A LABELLING MACHINE

Title (de)

SCHNEIDEINHEIT FÜR EINE ETIKETTIERMASCHINE

Title (fr)

UNITÉ DE COUPE POUR UNE MACHINE D'ÉTIQUETAGE

Publication

EP 3243614 A1 20171115 (EN)

Application

EP 16305535 A 20160509

Priority

EP 16305535 A 20160509

Abstract (en)

There is described a cutting unit (1) for cutting labels (2) from a web (3) of labelling material; the cutting unit (1) comprises a stationary blade (4), mounted on a stationary support structure (5), a rotary drum (6), rotating, in use, about an axis (B) and having a lateral surface (7) facing the stationary blade (4) and receiving the web (3) of labelling material, and at least one rotary blade (8) borne by the lateral surface (7) of the rotary drum (6) and cyclically passing, in use, by the stationary blade (4) to define a cutting position, wherein the stationary blade (4) and the rotary blade (8) cooperate, in use, with opposite sides of the web (3) of labelling material so as to separate a label (2) from the web (3); the cutting unit (1) further comprises sensor means (26), detecting, in use, a quantity (R) correlated to the distance or interference between the stationary blade (4) and the rotary blade (8) at the cutting position, and actuator means (27) configured to adjust the position of the stationary blade (4) towards or away from the rotary drum (6) as a function of the quantity (R) detected by the sensor means (26).

IPC 8 full level

B26D 1/38 (2006.01); **B26D 7/26** (2006.01)

CPC (source: EP)

B26D 1/385 (2013.01); **B26D 7/2628** (2013.01)

Citation (search report)

- [XAYI] EP 0319894 A2 19890614 - AHLSTROEM VALMET [FI]
- [Y] WO 2011095228 A1 20110811 - SCA HYGIENE PROD AB [SE], et al
- [XAYI] DE 19933497 A1 20010118 - RIETER AUTOMATIK GMBH [DE]
- [X] US 2782853 A 19570226 - HEFFELFINGER ROBERT D
- [A] DE 19813121 C1 19991028 - KUESTERS EDUARD MASCHF [DE]

Cited by

US2021252728A1; US2022024062A1; DE102018127852A1; US11613037B2; WO2019239283A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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