

Title (en)

Device for feeding and cutting film in product packaging machines

Title (de)

Vorrichtung zum Zuführen und Schneiden von Folien in einer Verpackungsmaschine

Title (fr)

Dispositif d'avancement et de coupe pour film dans une machine d'emballage

Publication

EP 0839723 B1 20030305 (EN)

Application

EP 97830541 A 19971023

Priority

IT BO960555 A 19961031

Abstract (en)

[origin: EP0839723A1] A device for feeding and cutting film (2) comprises a pair of counter-rotating rollers (9, 10) positioned in proximity of a slot (8), and between which is interposed, in a first tangential contact point (P1), the film (2). The first roller (9) is fitted with a knife (11) radially protruding from the roller itself, while the second roller (10) is fitted with a radial throat (12) housing the knife (11) during a cutting rotation, and with a plane facet (13) on its surface which defines a free passage channel for the film (2). Driving means (14) allow the rollers (9, 10) to operate: an arrest in the rotation of the rollers (9, 10) in a waiting configuration wherein the facet (13) is in proximity of the first tangential contact point (P1) so as to allow a quantity of film (2) to unreel towards a transport plane (3) and through the free passage channel; a subsequent activation of the rollers (9, 10) for cutting the film (2) on a free rear edge (2b) so as to obtain a section (S), and a rotation of the rollers (9, 10), for a round angle until they return to the waiting configuration, to feed a subsequent free edge (2a) to the slot (8). Means (15) for holding the film (2) are provided to maintain it in contact with the second roller (10) during the cutting phase. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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