

Title (en)

Apparatus and method for fixing a wrapping film

Title (de)

Vorrichtung und Verfahren zum Fixieren einer Einwickelfolie

Title (fr)

Dispositif et procédé de fixation d'un film d'emballage

Publication

EP 2657139 A1 20131030 (EN)

Application

EP 13165708 A 20130429

Priority

IT MO20120113 A 20120427

Abstract (en)

Apparatus associable with a wrapping machine (100; 110) for fixing an end tab (20a) of a wrapping film (20) to a film portion (20b) wrapped around a load (50) at the end of a wrapping process of the latter, comprises frame means (5), abutting means (2) and fixing means (3), the abutting means (2) and the fixing means (3) being supported by the frame means (5), cooperating with one another to grasp and fix the end tab (20a) to the film portion (20b) and being movable between respective operating positions (W1, W2), wherein they interact with the film (20), and respective non-operating positions (R1), wherein they do not interact with the film (20); the apparatus (1) comprises carriage means (4), rotatably supporting said abutting means (2) and being linearly movable along a movement direction (A), first driving means (11; 41) for moving the carriage means (4) along the movement direction (A), and second driving means (12; 42) arranged for interconnecting and linking the abutting means (2) to the carriage means (4) and/or to the frame means (5) and for rotating the abutting means (2) when the carriage means (4) is moved along the movement direction (A), the abutting means (2) being thus moved with respect to the load (50) with a composite translation and rotation motion having a set motion composition ratio; the second driving means (12; 42) comprises an interchangeable transmission element (32; 22), in particular replaceable with at least one further transmission element, such as to enable the motion composition ratio and a desired motion trajectory of the abutting means (2) to be modified.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [Y] US 4432185 A 19840221 - GEISINGER WOLFGANG [CA]
- [Y] US 5802810 A 19980908 - WOJCIK JOHN P [US], et al
- [A] US 2004182050 A1 20040923 - PIERI DANICA [IT]
- [A] US 4887719 A 19891219 - KAPKE MILTON W [US]

Cited by

CN113183450A; EP4201823A1; IT202100031907A1; US10538353B2; WO2015166445A1

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