

Title (en)

A device and a method for applying a cap to a package

Title (de)

Vorrichtung und Verfahren zum Aufbringen einer Verschlusskappe auf eine Packung

Title (fr)

Dispositif et procédé pour appliquer un bouchon sur un emballage

Publication

EP 3031773 B1 20170621 (EN)

Application

EP 14196690 A 20141208

Priority

EP 14196690 A 20141208

Abstract (en)

[origin: EP3031773A1] A device (10) for applying a threaded cap (11) to a threaded neck (12) of a package (13), comprising a container conveyor (22) for conveying the package (13) in a travel direction (A), a package handling system (14) for supporting the package on the conveyor (22), a cap dispenser (15) for supplying a cap (11) to the neck (12) of a package (13) conveyed by the package handling system (14), and a cap tightening device (16) having a rotating first cap tightening belt (26) and a rotating second cap tightening belt (27) arranged opposite to the first cap tightening belt (26) for tightening the cap (11) on the package neck (13) by rotation. The device (10) comprises a neck position sensor (32) for detecting a position of the neck (12) in a lateral direction perpendicular to the travel direction (A) of the package (13). At least one motor (25, 28, 30, 38) is connected to the cap position sensor (32), and the cap dispenser (15) and the cap tightening device (16) and/or the package handling system (14) is laterally adjustable and connected to said motor (25, 28, 30, 38) for adjusting the relative position between the package handling system (14) and the cap dispenser (15) and the cap tightening device (16) according to the detected position of the neck (12). Disclosed is also a method for applying the cap (11) to the neck (12).

IPC 8 full level

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CPC (source: EP)

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Cited by

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