Title (en)
A DEVICE AND A METHOD FOR APPLYING A CAP TO A PACKAGE

Title (de)
VORRICHTUNG UND VERFAHREN ZUM AUFBRINGEN EINER KAPPE AUF EINE PACKUNG

Title (fr)
DISPOSITIF ET PROCÉDÉ POUR APPLIQUER UN CAPUCHON SUR UN EMBALLAGE

Publication
EP 3112275 A1 20170104 (EN)

Application
EP 15174824 A 20150701

Priority
EP 15174824 A 20150701

Abstract (en)
A device (10) for applying a threaded cap (11) to a threaded neck (12) of a package (13), comprising a rotatable first belt (24) and a rotatable second belt (25) for engaging and rotating the cap (11). The device comprises at least one motor for rotating at least one of the first and second belts (24, 25). The motor (26, 27) is coupled to a sensor (28, 29) for monitoring velocity and/or acceleration, of the motor (26, 27). The sensor (28, 29) and said motor (26, 27) are connected to a control device (30) for controlling the operation and monitoring of torque and/or current of the motor (26, 27). The control device (30) is arranged for setting the motor (26, 27) in a thread entry detecting mode in which the first and second belts (24, 25) rotate the cap (11) in a direction opposite to a cap tightening direction. The control device (30) is arranged for detecting a thread entry by means of variations in motor velocity, acceleration, torque and/or current, and for setting the motor (26, 27) in another mode as a response to the detected thread entry.

IPC 8 full level
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CPC (source: EP)
B65B 7/2835 (2013.01); B67B 3/26 (2013.01); B67B 3/264 (2013.01)

Citation (search report)
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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

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