

Title (en)

Packaging machine with a gripper system

Title (de)

Verpackungsmaschine mit einem Greifersystem

Title (fr)

Machine d'emballage dotée d'un système de prise

Publication

**EP 2141095 B1 20100728 (DE)**

Application

**EP 09163636 A 20090624**

Priority

DE 102008030510 A 20080627

Abstract (en)

[origin: EP2141095A1] The machine (1) has guiding devices for linearly guiding grippers of a gripper system (2) via a storage unit e.g. supply belt (200), lifting system and delivery belt (400), where the grippers are moved by force exerted by a set of drive devices e.g. linear motors. The guiding devices apply torque produced by another set of drive devices on the grippers. The grippers have slides linearly guided by the guiding devices. The grippers have gripper arms rotatable relative to the slides. The gripper arms receive the applied torque for grasping movement of the grippers.

IPC 8 full level

**B65G 25/02** (2006.01); **B21D 43/05** (2006.01); **B65B 7/16** (2006.01)

CPC (source: EP)

**B65B 7/162** (2013.01); **B65B 43/46** (2013.01)

Cited by

EP3608234A1; EP2706012A1; EP2706013A1; EP2275351A1; GB2576827A; GB2576827B; EP2404831A1; CN110921299A; DE102018213213A1; DE102018213213B4; CN112249409A; CN103662663A; US10829313B2; US11472634B2; EP4389621A1; US9650165B2

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**EP 2141095 A1 20100106; EP 2141095 B1 20100728**; AT E475612 T1 20100815; DE 102008030510 A1 20100114; DE 502009000051 D1 20100909; ES 2346940 T3 20101021

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