

Title (en)

Suction or fork grabber for erecting a carton

Title (de)

Saug-oder Gabelgreifer zum Aufrichten eines Kartons

Title (fr)

Pince aspirante ou grappin à fourches pour redresser un carton

Publication

**EP 2017177 B1 20110406 (DE)**

Application

**EP 08012801 A 20080716**

Priority

DE 102007033963 A 20070719

Abstract (en)

[origin: EP2017177A1] The device has a magazine for accommodating folded carton blanks (15, 15a), which are pre-fabricated as a carton stack. A pneumatic vertical vacuum gripper (10) and a pneumatic horizontal vacuum gripper are provided for guiding the carton blanks, when a carton is unfolded, where the device is integrated with a fork gripper or a pallet gripper. The fork gripper has forks for engaging the carton and one of the vacuum grippers, where the forks have arms for holding the engaged carton from above to transport the carton. The arms and one vacuum gripper are moved vertically and/or horizontally.

IPC 8 full level

**B65B 43/28** (2006.01); **B31B 50/76** (2017.01); **B65B 7/20** (2006.01)

CPC (source: EP US)

**B65B 7/20** (2013.01 - EP); **B65B 43/285** (2013.01 - EP US); **B31B 50/80** (2017.08 - EP); **B31B 2100/00** (2017.08 - EP); **B31B 2120/30** (2017.08 - EP US)

Cited by

CN106494677A; JP2016168638A; DE102017200507A1; US10279941B2; WO2015039669A1

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DOCDB simple family (publication)

**EP 2017177 A1 20090121**; **EP 2017177 B1 20110406**; AT E504499 T1 20110415; DE 102007033963 A1 20090122; DE 502008003067 D1 20110519; ES 2364596 T3 20110907

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