

Title (en)

Packaging machine with a protective device and method

Title (de)

Verpackungsmaschine mit einer Schutzeinrichtung und Verfahren

Title (fr)

Machine d'emballage avec un dispositif de protection et procédé

Publication

**EP 2749499 A1 20140702 (DE)**

Application

**EP 12008645 A 20121228**

Priority

EP 12008645 A 20121228

Abstract (en)

The packaging machine has a protective device (5), a protective cover (6) and a frame (11), where the frame has a shaft (15) with two rollers (17). The protective cover has multiple guides (16), which cooperate with rollers, such that the protective cover raising to the shaft is tiltable and slidable. The shaft is rotatably mounted on the frame, where the two rollers are synchronized to each other using the shaft. The rollers have a bearing surface with a friction. An independent claim is included for a method for operating a packaging machine.

Abstract (de)

Die Erfindung betrifft eine Verpackungsmaschine (1) und ein Verfahren, wobei eine Schutzeinrichtung (5) eine Schutzhaube (6) umfasst und die Schutzhaube (6) um eine Welle (15), die zwei Rollen (17) aufweist, angehoben und mittels Führungen (16) in der Schutzhaube (6) auf den Rollen (17) verschoben wird.

IPC 8 full level

**B65B 57/00** (2006.01); **B65B 7/16** (2006.01); **B65B 47/00** (2006.01); **B65H 20/02** (2006.01); **F16P 1/02** (2006.01)

CPC (source: EP US)

**B65B 7/162** (2013.01 - EP US); **B65B 57/005** (2013.01 - EP US); **B65H 20/02** (2013.01 - US); **B65B 47/00** (2013.01 - EP US)

Citation (applicant)

- WO 2011154743 A1 20111215 - ISHIDA EUROP LTD [GB], et al
- EP 1996470 B1 20110706 - ISHIDA EUROP LTD [GB]
- EP 1772384 A1 20070411 - VARIOVAC PS SYSTEMPACK GMBH [DE]

Citation (search report)

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- [A] DE 19920260 A1 20001109 - HAJEK GES M B H & CO MASCHBAU [AT]
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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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2749499 A1 20140702**; **EP 2749499 B1 20150610**; ES 2540998 T3 20150715; US 10118784 B2 20181106; US 2014182246 A1 20140703

DOCDB simple family (application)

**EP 12008645 A 20121228**; ES 12008645 T 20121228; US 201314137467 A 20131220