

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 B1 20150610 (DE)**

Application  
**EP 12008645 A 20121228**

Priority  
EP 12008645 A 20121228

Abstract (en)  
[origin: EP2749499A1] 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.

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)

Cited by  
DE102017106898A1; DE102016214417A1; DE102017128363A1; EP3483494A1; DE102018204049A1; DE102018204049B4; EP3381820A1; US10882653B2; EP3492398A1; EP3501997A1; US10899486B2; DE102017106898B4; US10906681B2

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