

Title (en)  
PACKAGING MACHINE WITH COMPENSATING CYLINDER

Title (de)  
VERPACKUNGSMASCHINE MIT AUSGLEICHSZYLINDER

Title (fr)  
MACHINE D'EMBALLAGE POURVUE DE CYLINDRE DE COMPENSATION

Publication  
**EP 3566959 A1 20191113 (DE)**

Application  
**EP 19169505 A 20190416**

Priority  
DE 102018111001 A 20180508

Abstract (en)  
[origin: US2019344916A1] A packaging machine having at least one working component that is mounted in an adjustable manner relative to a machine frame between a first and a second position, and that incorporates at least one pneumatic unit. A coupling member may be mounted in a tiltable manner relative to an axis, and in one embodiment, the coupling member may connect the pneumatic unit to the working component. The coupling member may be arranged at least in part within a piston of the pneumatic unit and may be mounted in a linearly adjustable manner along the axis.

Abstract (de)  
Verpackungsmaschine (1), die für einen Arbeitsvorgang (A) mindestens eine relativ zu einem Maschinenrahmen (10) mittels mindestens einer Pneumatikeinheit (9) zwischen einer ersten und einer zweiten Position (P1, P2) verstellbar gelagerte Arbeitskomponente (14) aufweist, wobei zumindest teilweise innerhalb eines entlang einer Achse (12) linear verstellbar gelagerten Kolbens (11) der Pneumatikeinheit (9) ein relativ zu der Achse (12) neigbar befestigtes Koppelglied (13) angeordnet ist, über welches die Pneumatikeinheit (9) mit der Arbeitskomponente (14) verbunden ist.

IPC 8 full level  
**B65B 51/14** (2006.01)

CPC (source: EP US)  
**B65B 31/02** (2013.01 - US); **B65B 51/146** (2013.01 - EP); **B65B 65/02** (2013.01 - US)

Citation (search report)

- [A] US 2016251102 A1 20160901 - LANDOLT STEFAN [CH], et al
- [A] US 2405675 A 19460813 - SOUTHWICK JR CHARLES A, et al
- [A] GB 2224462 A 19900509 - DAWKIN LEONARD JOHN
- [A] DE 7327517 U
- [AD] EP 3241763 A1 20171108 - MULTIVAC SEPP HAGGENMÜLLER SE & CO KG [DE]

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 3566959 A1 20191113; EP 3566959 B1 20200819**; CN 210122227 U 20200303; DE 102018111001 A1 20191114; ES 2830424 T3 20210603; US 11014700 B2 20210525; US 2019344916 A1 20191114

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