

Title (en)

Seal system for packaging machine tools with integrated lifting rod

Title (de)

Dichtsystem für Verpackungsmaschinenwerkzeuge mit integrierter Hubstange

Title (fr)

Système d'étanchéité pour machines-outils d'emballage dotées d'une tige de levage intégrée

Publication

EP 2179927 A3 20110126 (DE)

Application

EP 09013242 A 20091020

Priority

DE 102008052423 A 20081021

Abstract (en)

[origin: EP2179927A2] The system has two tool halves (1, 2) e.g. heat sealing lower and upper parts, that are movable relative to each other, and a lifting rod (3) that penetrates one of the tool halves (1) in an axial direction. The lifting rod is movable in the axial direction. A sealing (4) seals a gap (5) between the tool half and the lifting rod. A compressing device compresses the sealing in the axial direction, so that the sealing expands perpendicular to the axial direction and seals the gap. The device has a clamping plate (6) that is movable in the axial direction relative to the tool half.

IPC 8 full level

B65B 7/16 (2006.01); **B65B 31/02** (2006.01); **B65B 65/00** (2006.01); **F16J 15/16** (2006.01); **B65B 47/00** (2006.01)

CPC (source: EP)

B65B 7/164 (2013.01); **B65B 31/028** (2013.01); **B65B 65/00** (2013.01); **B65B 47/00** (2013.01)

Citation (search report)

- [Y] US 4154044 A 19790515 - LANG HANS-JORG [DE]
- [Y] US 3663076 A 19720516 - VALENTE PETER REGINALD
- [A] FR 2680152 A1 19930212 - AUTOMATISME ASSISTANCE [FR]

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US2013305661A1; KR102090396B1; EP4049937A1; WO2012107779A1; US9481479B2

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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