

Title (en)
Packaging machine

Title (de)
Verpackungsmaschine

Title (fr)
Machine d'emballage

Publication
EP 2105383 A1 20090930 (DE)

Application
EP 08020942 A 20081203

Priority
DE 102008015689 A 20080326

Abstract (en)
The machine has a chamber with a cover (5), which is liftable from a lowered position into a lifted position, where the chamber is closed in the lowered position and opened in the lifted position. The cover is pivotable in the lifted position. The cover is pivotable around a joint (7), which is provided at a cross-beam (8). A lifting device (6) is provided for lifting and lowering the cover. The cover is connected to the joint in such a manner that a rotation axis of the joint runs through a center of gravity of the cover. An auxiliary device is provided for pivoting the cover.

Abstract (de)
Eine Verpackungsmaschine weist eine Kammer (4) mit einen Deckel (5) auf, wobei der Deckel (5) der von einer abgesenkten Position, in der die Kammer (4) geschlossen ist, in eine angehobene Position, in der die Kammer (4) geöffnet ist, anhebbar ist. Die Aufgabe der Vorrichtung bzw. des Verfahrens ist es, die ergonomische Zugänglichkeit und die Einsehbarkeit des Deckelinneren einer Vakuumkammer einer Verpackungsmaschine bei Wartungs-, Reparatur- oder Reinigungsarbeiten zu verbessern. Hierfür ist der Deckel (5) in der angehobenen Position schwenkbar.

IPC 8 full level
B65B 59/00 (2006.01); **B65B 31/02** (2006.01)

CPC (source: EP US)
B65B 31/024 (2013.01 - EP US); **B65B 59/00** (2013.01 - EP US); **B65B 59/04** (2013.01 - EP)

Citation (applicant)
• US 3818574 A 19740625 - REID P, et al
• WO 0194209 A1 20011213 - KOCH EQUIPMENT LLC [US], et al
• US 5465557 A 19951114 - HARTE JAMES R [US]

Citation (search report)
• [Y] US 3818574 A 19740625 - REID P, et al
• [Y] WO 0194209 A1 20011213 - KOCH EQUIPMENT LLC [US], et al
• [Y] US 5465557 A 19951114 - HARTE JAMES R [US]
• [A] DE 10238482 A1 20031204 - CFS KEMPTEN GMBH [DE]

Cited by
EP2746168A1; EP3231720A1; EP2733076A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2105383 A1 20090930; EP 2105383 B1 20110525; EP 2105383 B2 20160316; AT E510773 T1 20110615; DE 102008015689 A1 20091001; ES 2363721 T3 20110812; ES 2363721 T5 20160425; US 2009241469 A1 20091001; US 8276352 B2 20121002

DOCDB simple family (application)
EP 08020942 A 20081203; AT 08020942 T 20081203; DE 102008015689 A 20080326; ES 08020942 T 20081203; US 37862309 A 20090218