

Title (en)
Jacket closing machine

Title (de)
Schalenverschließmaschine

Title (fr)
Machine de fermeture de coques

Publication
EP 2706013 B1 20141231 (DE)

Application
EP 13002149 A 20130424

Priority
• EP 12006350 A 20120910
• EP 13002149 A 20130424

Abstract (en)
[origin: EP2706012A1] The tray sealing machine (1) has a sealing device (3) and a gripper system (12) that is provided with the guides for the transfer carriages (13), where the transfer carriages are driven along the guides by a lifting drive. A pivoting device (14) of the gripper system is provided with the vertically disposed swivel pins. The gripper arms (15) are moved relative to each other by the pivoting device and in a plane parallel to a transport plane (E). A parallelogram linkage is provided in the pivoting device for each gripper arm. The swivel pins are coupled to each other by a lever mechanism.

IPC 8 full level
B65B 7/16 (2006.01); **B65B 43/46** (2006.01); **B65B 43/48** (2006.01)

CPC (source: EP US)
B65B 7/16 (2013.01 - EP US); **B65B 7/162** (2013.01 - US); **B65B 43/46** (2013.01 - EP US); **B65B 43/48** (2013.01 - EP US)

Cited by
CN113320755A

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

DOCDB simple family (publication)
EP 2706012 A1 20140312; **EP 2706012 B1 20141105**; CN 103662663 A 20140326; CN 103662663 B 20151125; EP 2706013 A1 20140312; EP 2706013 B1 20141231; ES 2524414 T3 20141209; ES 2529666 T3 20150224; US 2014069054 A1 20140313; US 9650165 B2 20170516

DOCDB simple family (application)
EP 12006350 A 20120910; CN 201310405650 A 20130909; EP 13002149 A 20130424; ES 12006350 T 20120910; ES 13002149 T 20130424; US 201314020810 A 20130907