

Title (en)
Jacket closing machine

Title (de)
Schalenverschleißmaschine

Title (fr)
Machine de fermeture de coques

Publication
EP 2706013 A1 20140312 (DE)

Application
EP 13002149 A 20130424

Priority
• EP 12006350 A 20120910
• EP 13002149 A 20130424

Abstract (en)
The sealing packaging machine (1) is composed of a closing device (3), a collection belt (6), a discharge belt (7), and a gripper system (12). The gripper system is provided with linear actuator for driving a transfer carriage (13) along guides. A pivot mechanism (14) has vertically located pivot axles that are configured to move or pivot gripper arms (15) of the gripper system with respect to each other in plane parallel to transport plane (E). A pivot drive unit is provided for driving the pivot mechanism.

Abstract (de)
Die Erfindung betrifft eine Schalenverschleißmaschine (1) mit einem Greifersystem (12), das eine Schwenkvorrichtung (14) mit vertikal angeordneten Drehachsen (24) aufweist, um Greiferarme (15) relativ zueinander und parallel zu einer Transportebene (E) zu bewegen.

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)

Citation (applicant)
• EP 2141095 A1 20100106 - MULTIVAC HAGGENMUELLER GMBH [DE]
• EP 0334266 A1 19890927 - MONDINI G SPA [IT]
• EP 1996470 A1 20081203 - ISHIDA EUROP LTD [GB]
• WO 2011018391 A1 20110217 - GRUPPO FABBRI S P A [IT], et al

Citation (search report)
• [X] DE 2913026 A1 19801002 - SIEGER KG HCH
• [A] EP 2141095 A1 20100106 - MULTIVAC HAGGENMUELLER GMBH [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 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