

Title (en)
Deep draw packaging machine with hoisting gear powered by an electric motor

Title (de)
Tiefziehverpackungsmaschine mit elektromotorischem Hubwerk

Title (fr)
Machine d'emballage par emboutissage avec dispositif de levage électromotorisé

Publication
EP 2746167 A1 20140625 (DE)

Application
EP 12008459 A 20121219

Priority
EP 12008459 A 20121219

Abstract (en)
The machine (1) has an electromotive lifting gear (30) for lifting a forming station (2), a sealing station (3) and a cutting station (4) and comprising two carriages that are mounted in vertical guides, and a tool connected to the carriages. A collision region of the tool is defined by lifting motion of the tool between lower position and upper position. Two lifting spindles i.e. thread rolling spindles, are arranged parallel to the vertical guides and outside the collision region of the tool. A lifting rail is provided by which the tool is connected to the carriages.

Abstract (de)
Die Erfindung betrifft eine Tiefziehverpackungsmaschine (1) mit einem Hubwerk (30) für eine Form- Siegel- oder Schneidstation (2, 3, 4), wobei das Hubwerk (30) Führungen (33) und Hubspindeln (38) vorsieht, die außerhalb eines Kollisionsbereich (K) eines bewegbaren Werkzeuges (32) angeordnet sind.

IPC 8 full level
B65B 31/02 (2006.01); **B65B 7/16** (2006.01); **B65B 65/02** (2006.01); **B29C 65/00** (2006.01); **B65B 47/00** (2006.01); **B65B 61/06** (2006.01)

CPC (source: EP US)
B21D 51/18 (2013.01 - US); **B65B 7/164** (2013.01 - EP US); **B65B 31/021** (2013.01 - EP US); **B65B 31/028** (2013.01 - EP US); **B65B 65/02** (2013.01 - EP US); **B65B 47/00** (2013.01 - EP US); **B65B 61/06** (2013.01 - EP US); **B65B 61/065** (2013.01 - EP US)

Citation (applicant)
• DE 4216210 A1 19931118 - MULTIVAC HAGGENMUELLER KG [DE]
• US 5205110 A 19930427 - BUCHKO RAYMOND G [US]
• DE 102008023319 A1 20091119 - MULTIVAC HAGGENMUELLER GMBH [DE]

Citation (search report)
• [AD] DE 4216210 A1 19931118 - MULTIVAC HAGGENMUELLER KG [DE]
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Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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DOCDB simple family (application)
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