

Title (en)

Forming and sealing unit of a machine for packaging pourable food products

Title (de)

Form- und Siegelanlage einer Maschine zum Verpacken von rieselfähigen Nahrungsmitteln

Title (fr)

Dispositif de formage et de scellage pour une machine d'emballage de produits alimentaires coulants

Publication

EP 0959007 A1 19991124 (EN)

Application

EP 98109367 A 19980522

Priority

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Abstract (en)

A forming and sealing unit (1) for producing aseptic sealed packages from a tube (2) of packaging material filled with a pourable food product, the unit having a fixed structure (3); a pair of forming assemblies (5, 5') interacting alternately and cyclically with the tube (2) of packaging material, and in turn having respective slides (6) movable vertically and in reciprocating manner with respect to the fixed structure (3), and respective pairs of jaws (7) having sealing means and movable between an open position and a closed position in which the sealing means cooperate with the tube (2) of packaging material; a first pair of control rods (15) for controlling the movement of the slides (6); and a second pair of control rods (16) for controlling the opening and closing movement of the jaws (7); the control rods (15, 16) being activated independently by respective servomotors (20, 21, 20', 21') controlled by a programmable control unit (60). <IMAGE>

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IPC 8 full level

B65B 51/30 (2006.01)

CPC (source: EP)

B65B 51/30 (2013.01)

Citation (search report)

- [XY] EP 0764580 A1 19970326 - ROVEMA GMBH [DE]
- [XA] EP 0380868 A2 19900808 - KLIKLOK CORP [US]
- [DYA] EP 0091712 A2 19831019 - TETRA PAK INT [SE]
- [A] GB 2311759 A 19971008 - SANKO KIKAI [JP]
- [A] WO 9617773 A1 19960613 - KLIKLOK CORP [US]

Cited by

EP1266832A1; US7000366B2; WO02102667A1; DE10259904A1; CN103635304A; EP1167190A1; EP2151390A1; CN102869579A; RU2496696C2; CN104690959A; CN114771973A; US8919081B2; US9126707B2; WO2010018141A1; WO2012173556A1; JP2011530455A

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