

Title (en)

PACKING MACHINE WITH A POROUS AGENT

Title (de)

VERPACKUNGSMASCHINE MIT EINEM PORÖSEN MITTEL

Title (fr)

MACHINE D'EMBALLAGE POURVUE D'UN MOYEN POREUX

Publication

**EP 2989012 A1 20160302 (DE)**

Application

**EP 14721253 A 20140417**

Priority

- DE 102013207365 A 20130423
- EP 2014057877 W 20140417

Abstract (en)

[origin: WO2014173803A1] The present invention relates to a packing machine having: - a heating device, which heats up a film web; - a forming station by means of which packing blisters are formed in the film web and/or the top film web, preferably by deep drawing; - a filling station in which the packing blisters are filled with a material to be packed; - a sealing station which seals a top film web to the packing blister; and - a longitudinal and/or transverse cutter, which separates the finished packages. The present invention also relates to a method for heating up a film web using a heating device which comprises a heated porous agent.

IPC 8 full level

**B65B 47/02** (2006.01); **B65B 9/04** (2006.01); **B65B 47/06** (2006.01); **B65B 47/10** (2006.01)

CPC (source: EP US)

**B65B 9/045** (2013.01 - EP US); **B65B 47/02** (2013.01 - EP US); **B65B 47/06** (2013.01 - EP US); **B65B 47/10** (2013.01 - EP US); **B65B 61/06** (2013.01 - US); **F27B 9/04** (2013.01 - EP US); **F27B 9/28** (2013.01 - EP US)

Citation (search report)

See references of WO 2014173803A1

Citation (examination)

FABIO L. LEITE ET AL: "Theoretical Models for Surface Forces and Adhesion and Their Measurement Using Atomic Force Microscopy", INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol. 13, no. 12, 8 October 2012 (2012-10-08), pages 12773 - 12856, XP055361895, DOI: 10.3390/ijms131012773

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)

**WO 2014173803 A1 20141030**; BR 112015026848 A2 20170725; CN 105143052 A 20151209; EP 2989012 A1 20160302; MX 2015014844 A 20160311; RU 2015149928 A 20170526; US 2016068291 A1 20160310

DOCDB simple family (application)

**EP 2014057877 W 20140417**; BR 112015026848 A 20140417; CN 201480023398 A 20140417; EP 14721253 A 20140417; MX 2015014844 A 20140417; RU 2015149928 A 20140417; US 201414785996 A 20140417