

Title (en)

Method for packaging a product in a container with a protective atmosphere obtained from a barrier shrink film

Title (de)

Verfahren zum automatischen Verpacken von Gegenständen mit der Schutzgasatmosphäre

Title (fr)

Procédé de fabriquer des récipients ayant une atmosphère protectrice

Publication

EP 2604536 A1 20130619 (EN)

Application

EP 11382385 A 20111216

Priority

EP 11382385 A 20111216

Abstract (en)

Method comprising a stage in which products (1, 2) are supplied, during which a product (1) reaches a packaging position (P1) and another product (2) a pre-packaging position (P2), a stage in which a tube (5) of film that wraps the products (1, 2) is generated, a stage of gas-injection in the tube (5), a stage in which the tube (5) is sealed and cut, a packaged product (1) remaining in a container and the other product (2) in the tube (5) closed at one end, and a stage in which the container is shrink-wrapped. The method also comprises a stage in which pressure is exerted on a product (1), a stage for sucking gas out from the tube (5), and a stage in which pressure is exerted on the other product (2).

IPC 8 full level

B65B 31/06 (2006.01); **B65B 9/073** (2012.01); **B65B 51/30** (2006.01)

CPC (source: EP)

B65B 9/073 (2013.01); **B65B 31/04** (2013.01); **B65B 49/06** (2013.01); **B65B 53/02** (2013.01)

Citation (applicant)

- GB 2250499 A 19920610 - IBARAKI PRECISION MACHINERY CO [JP]
- WO 2008122680 A1 20081016 - ULMA PACKAGING TECHNOLOGICAL C [ES], et al

Citation (search report)

- [A] WO 03051715 A1 20030626 - AWAX PROGETTAZIONE [IT], et al
- [A] US 3735551 A 19730529 - PRATT R
- [A] WO 2008122680 A1 20081016 - ULMA PACKAGING TECHNOLOGICAL C [ES], et al
- [A] US 2010242410 A1 20100930 - BEER PHILIP ROLAND [US]

Cited by

CN113525834A; CN105015832A

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 2604536 A1 20130619; **EP 2604536 B1 20140226**; ES 2452543 T3 20140401; PL 2604536 T3 20140829

DOCDB simple family (application)

EP 11382385 A 20111216; ES 11382385 T 20111216; PL 11382385 T 20111216