

Title (en)

VACUUM PACKAGING ASSEMBLY AND METHOD

Title (de)

VAKUUMVERPACKUNGSANORDNUNG UND VERFAHREN

Title (fr)

ENSEMBLE ET PROCEDE DE CONDITIONNEMENT SOUS VIDE

Publication

**EP 2470429 A1 20120704 (FR)**

Application

**EP 10762744 A 20100823**

Priority

- FR 0955784 A 20090825
- FR 2010051757 W 20100823

Abstract (en)

[origin: WO2011023895A1] The invention relates a packaging assembly for vacuum packaging an item (D), such as a fluid product dispenser, the assembly including a sealed enclosure (E) for receiving an item (D) to be vacuum packaged, characterized in that said enclosure (E) includes a packaging element (21) movable inside the enclosure, the enclosure (E) being connected to a negative pressure chamber (C) including a piston (22) capable of varying the volume of the chamber (C), the packaging element (21) and the piston (22) being rigidly connected while moving, such that a movement of the piston (22) in the direction of an increase in the volume of the chamber (C) has the effect of producing negative pressure inside the enclosure (E).

IPC 8 full level

**B65B 7/28** (2006.01); **B65B 31/02** (2006.01)

CPC (source: EP US)

**B65B 7/2821** (2013.01 - EP US); **B65B 7/2842** (2013.01 - EP US); **B65B 31/025** (2013.01 - EP US)

Citation (search report)

See references of WO 2011023895A1

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 SE SI SK SM TR

DOCDB simple family (publication)

**WO 2011023895 A1 20110303**; BR 112012004097 A2 20160308; CN 102481984 A 20120530; CN 102481984 B 20130821; EP 2470429 A1 20120704; EP 2470429 B1 20130529; ES 2424690 T3 20131007; FR 2949438 A1 20110304; FR 2949438 B1 20111028; JP 2013503083 A 20130131; JP 5529274 B2 20140625; US 2012137632 A1 20120607; US 9079677 B2 20150714

DOCDB simple family (application)

**FR 2010051757 W 20100823**; BR 112012004097 A 20100823; CN 201080037597 A 20100823; EP 10762744 A 20100823; ES 10762744 T 20100823; FR 0955784 A 20090825; JP 2012526102 A 20100823; US 201013389706 A 20100823