

Title (en)
GASSING INDEPENDENT FROM FILL-LEVEL

Title (de)
FÜLLSTANDSUNABHÄNGIGES BEGASEN

Title (fr)
GAZÉIFICATION INDÉPENDANTE DU NIVEAU DE REMPLISSAGE

Publication
EP 3581505 B1 20210120 (DE)

Application
EP 19168500 A 20190410

Priority
DE 102018114263 A 20180614

Abstract (en)
[origin: US2019382147A1] A method for operating a sealing station of a packaging machine, wherein the method may include one or more of the following steps: filling a packing volume of a package with a gas to create a desired atmosphere to a preset gassing target pressure for a finished package, wherein the packaging volume may be defined by a lower and an upper packaging material; discharging a partial amount of the gas introduced into the packaging volume from the packaging volume into a collection volume while retaining the packaging volume generated by the preceding filling, which reduces the pressure within the packaging volume; and reducing the packaging volume by moving the upper packaging material to an end position that corresponds to a desired appearance such that the pressure inside the package increases again to near the gassing target pressure. A sealing station that performs this method is also described.

IPC 8 full level
B65B 31/02 (2006.01); **B29C 65/00** (2006.01); **B65B 9/04** (2006.01); **B65B 51/14** (2006.01); **B65B 47/00** (2006.01); **B65B 61/06** (2006.01)

CPC (source: EP US)
B65B 9/02 (2013.01 - US); **B65B 9/04** (2013.01 - EP); **B65B 31/006** (2013.01 - US); **B65B 31/028** (2013.01 - EP); **B65B 51/14** (2013.01 - EP); **B65B 47/00** (2013.01 - EP); **B65B 61/06** (2013.01 - EP)

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 3581505 A1 20191218; **EP 3581505 B1 20210120**; DE 102018114263 A1 20191219; ES 2867975 T3 20211021; US 11511896 B2 20221129; US 2019382147 A1 20191219

DOCDB simple family (application)
EP 19168500 A 20190410; DE 102018114263 A 20180614; ES 19168500 T 20190410; US 201916440617 A 20190613