Title (en)

Semiautomatic foil loading apparatus for use in an aseptic flexible container filling system

Title (de)

Halbautomatische Folienladevorrichtung zur Verwendung in einem Füllsystem für aseptische flexible Behälter

Title (fr)

Appareil de chargement de feuille semi-automatique à utiliser dans un système de remplissage de conteneur flexible aseptique

Publication

EP 1900643 A1 20080319 (EN)

Application

EP 07115758 A 20070905

Priority

IT PR20060082 A 20060912

Abstract (en)

The invention finds application in the field of aseptic flexible containers (bags) having a spout (50) fitted with a membrane, through which the food product is introduced by an aseptic filling system. These flexible containers have a spout through which the product is filled. Once the bags have been filled, they are sealed still in the filling head to prevent any disruption of the asepsis and to preserve the integrity of the product. The novel apparatus has means (1) for loading a foil (51) or (52), which consist of a mechanical arm external to the filling head. The arm moves the foil into the filling head through transfer means (6) and (10). The foil is captured by the vacuum created within the heat sealing head, and the bag spout is inserted therein to close the pre-chamber, whereupon sterilization of the spout and foil is initiated.

IPC 8 full level

B65B 55/02 (2006.01)

CPC (source: EP)

B65B 55/022 (2013.01)

Citation (applicant)

EP 1067052 A1 20010110 - SMITH DAVID S PACKAGING [GB]

Citation (search report)

- [X] EP 1067052 A1 20010110 - SMITH DAVID S PACKAGING [GB]
- [A] WO 9501280 A1 19950112 - INT FLAVORS & FRAGRANCES INC [US], et al
- [A] WO 9735775 A1 19971002 - TETRA LAVAL HOLDINGS & FINANCE [CH], et al
- [A] EP 0367937 A1 19900516 - SIEGER PLASTIC GMBH [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1900643 A1 20080319; **EP 1900643 B1 20111214**; AT E537068 T1 20111215; IT PR20060082 A1 20080313

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