

Title (en)

PACKAGING MACHINE WITH INCREASED FUNCTIONALITY, PARTICULARLY FOR SMALL PREFORMED BAGS

Title (de)

VERPACKUNGSMASCHINE MIT ERHÖHTER FUNKTIONALITÄT, INSBESONDERE FÜR KLEINE VORGEFORMTE BEUTEL

Title (fr)

MACHINE D'EMBALLAGE À FONCTIONNALITÉ AMÉLIORÉE, PARTICULIÈREMENT POUR DE PETITS SACS PRÉFORMÉS

Publication

**EP 2925622 B2 20210825 (EN)**

Application

**EP 13805580 A 20131108**

Priority

- IT AR20120036 A 20121109
- IB 2013060009 W 20131108

Abstract (en)

[origin: WO2014072949A1] A packaging machine (1) with increased functionality, particularly for small preformed bags, comprising a plurality of processing stations which are arranged along at least one advancement line (2) and which are provided with retention means (3) and opening means (4) for at least one bag (5) to be filled which are connected functionally to means for the advancement of the bag (5) to be filled along the advancement line (2). The processing stations comprise at least one filling station that is provided with at least one filling cone (6) adapted to discharge loose products (7) into the bag (5) to be filled, which is opened and shaped beforehand. The particularity of the invention consists in the fact that the filling cone (6) is of the type with variable opening, so that it can move between an active configuration of minimum opening, in which the filling cone (6) assumes a substantially pyramid-like shape with an acute angle, and an active configuration of maximum opening, in which the filling cone (6) assumes a shape substantially like a parallelepiped with a rectangular cross-section. There are also means for lifting and lowering either or both of the bag to be filled and the filling cone (6) for the partial insertion of the filling cone (6) into the bag (5) to be filled.

IPC 8 full level

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CPC (source: EP)

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Citation (opposition)

Opponent :

EP 2078674 A1 20090715 - TOYO JIDOKI KK [JP]

Cited by

CN107380547A; EP3647211A1; US11267599B2

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