

Title (en)

SHUTTER UNIT FOR A VERTICAL FLOW PACKAGING MACHINE FOR SHORT PASTA

Title (de)

VERSCHLUSSEINHEIT FÜR EINEN VERTIKALFLUSSVERPACKUNGSMASCHINE FÜR KURZE NUDELN

Title (fr)

UNITÉ D'OBTURATEUR POUR UNE MACHINE DE CONDITIONNEMENT D'ÉCOULEMENT VERTICAL POUR PÂTES COURTES

Publication

**EP 2995560 A1 20160316 (EN)**

Application

**EP 15184284 A 20150908**

Priority

IT MI20141575 A 20140911

Abstract (en)

There is described a shutter unit (1) for a packaging machine (100) for short pasta configured to receive a dose of pasta from a weighing unit (2) of fed pasta, hold it and then discharge it into a bag being formed by means of welding units (3, 60). The shutter unit (1) comprises a diaphragm (7) with a first, a second and a third blade (4a, 4b, 4c) pivoted on a first, a second and a third pin (5a, 5b, 5c), respectively, fixed on a base plane (18). Moving means (10) are configured to rotate the blades (4a, 4b, 4c) simultaneously between a closed position of the diaphragm (7), in which the dose of short pasta is held by the shutter unit (1), and an opening position of the diaphragm (7) to let the dose of short pasta fall into the bag being formed.

IPC 8 full level

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CPC (source: EP)

**B65B 9/20** (2013.01); **B65B 37/18** (2013.01); **B65B 39/003** (2013.01); **B65B 59/04** (2013.01)

Citation (search report)

- [Y] EP 2484595 A1 20120808 - ISHIDA SEISAKUSHO [JP]
- [Y] US 2011005172 A1 20110113 - MIYAHARA FUMIO [JP], et al
- [A] EP 2390191 A1 20111130 - ISHIDA SEISAKUSHO [JP]
- [A] US 6182421 B1 20010206 - SULLIVAN JOHN T [US]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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ES 2667703 T3 20180514; MA 39697 A 20180206

DOCDB simple family (application)

**EP 15184284 A 20150908**; BR 102015022598 A 20150911; ES 15184284 T 20150908; MA 39697 A 20150907