

Title (en)
DYNAMIC SHAKING DEVICE FOR EMPTYING BAGS

Title (de)
DYNAMISCHE SCHÜTTLER-EINRICHTUNG ZUM ENTLEEREN VON SÄCKEN

Title (fr)
DISPOSITIF AGITATEUR DYNAMIQUE POUR LE VIDAGE DE SACS

Publication
EP 3409602 A1 20181205 (EN)

Application
EP 17174360 A 20170602

Priority
EP 17174360 A 20170602

Abstract (en)
The present invention refers to a dynamic shaking device for bags emptying. It has an inlet for the full bags (A), a discharge for the product contained inside the bags (B), and an outlet for the empty bags (C). The bags opening is made on the cutting zone by means of a cutting disc (2) with blade on the outer edge, located on the rotary shaft (1). This cutting disk is placed in a perpendicular direction in relation to the direction of the displacement of the bags. The present invention allows the simultaneous linear and circular motion as well as the motion in different planes of the bags to be emptied, since it has shakers composed of serpentine-shaped shaker elements (5), which may have central shafts (4). These shakers are arranged in parallel position in relation to the shafts (2) of the cutting zone. Shakers can be driven by motors (3).

IPC 8 full level
B65B 69/00 (2006.01)

CPC (source: EP)
B65B 69/0008 (2013.01); **B65B 69/0033** (2013.01)

Citation (applicant)

- EP 3070014 A1 20160921 - KAHL GROUP S A [AR]
- EP 1838582 B1 20150107 - AYAL ROBOTICS AND ENGINEERING LTD [IL]

Citation (search report)

- [AD] EP 1838582 B1 20150107 - AYAL ROBOTICS AND ENGINEERING LTD [IL]
- [AD] EP 3070014 A1 20160921 - KAHL GROUP S A [AR]
- [A] FR 2800036 A1 20010427 - GUERIN SYSTEMS [FR]
- [A] GB 1105006 A 19680306 - GRUN KG FA GEB

Cited by
EP3770072A1; CN111284792A; WO2021259747A3

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