

Title (en)

Device and method for automatically cutting and emptying bags

Title (de)

Vorrichtung und Verfahren zum automatischen Aufschneiden und Entleeren von Säcken

Title (fr)

Dispositif et procédé automatique pour ouvrir en coupant et pour vider des sacs

Publication

EP 2128032 A1 20091202 (EN)

Application

EP 09161535 A 20090529

Priority

BE 200800301 A 20080530

Abstract (en)

The present invention relates to a device (1) for automatically cutting and emptying bags, comprising: - a feed device (2) designed to take one or more bags to a take-up position (a); - a gripper unit (3) designed to grip the one or more bags at the take-up position (a) and move it/them to a delivery position (b); - a cutting and emptying device (4) designed to cut open and empty the one or more moved bags; in which the gripper unit (3) can be rotated between the take-up position (a) and delivery position (b).

IPC 8 full level

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CPC (source: EP)

B65B 69/0008 (2013.01)

Citation (applicant)

WO 2006043261 A1 20060427 - AYAL ROBOTICS AND ENGINEERING [IL], et al

Citation (search report)

- [Y] JP S5917422 A 19840128 - HITACHI LTD
- [Y] US 5484238 A 19960116 - BIELAGUS JOSEPH B [US]
- [Y] DE 10128186 A1 20021219 - FRAUNHOFER GES FORSCHUNG [DE]
- [A] DE 1040458 B 19581002 - POHLIG J AG
- [A] FR 2316159 A1 19770128 - OCIF MODENA BEGHI GRAZIELLA ET [IT]
- [A] FR 2359031 A1 19780217 - GUEYRARD ROBERT [FR]
- [A] US 4627781 A 19861209 - BORGNER KLAUS [DE]
- [A] US 4504183 A 19850312 - BENNISON STEWART [GB], et al
- [Y] DATABASE WPI Section PQ Week 198436, Derwent World Patents Index; Class Q31, AN 1984-224114, XP002511661

Cited by

CN107089391A; CN111792138A; EP3556669A1; US11352160B2; WO2019201946A1

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