

Title (en)

APPARATUS FOR AUTOMATICALLY EMPTYING BAGS

Title (de)

VORRICHTUNG ZUR AUTOMATISCHEN ENTLEERUNG VON BEUTELN

Title (fr)

APPAREIL PERMETTANT DE VIDER AUTOMATIQUEMENT DES SACS

Publication

EP 1838582 A1 20071003 (EN)

Application

EP 05747588 A 20050607

Priority

- IL 2005000599 W 20050607
- IL 16470904 A 20041019

Abstract (en)

[origin: WO2006043261A1] An apparatus for emptying bags (14, 102, 192, 240) consisting of a gripping subunit (12, 90, 196, 242) employing a gripper, a bag slitting and emptying device (180, 202), a controller (220) and an optional container (194) for receiving bags debris. The gripper consists of a plurality of gripping elements (44, 46, 63, 72, 74, 76, 100) arranged in two arrays and a weighing means for weighing bags content. The gripping unit lifts the gripped bags and carries them to the bag slitting and emptying device. The emptying module includes a plurality of rotary blades (94, 162, 194) and rods aligned such the bags are slit and immediately emptied. A controller means optionally controls and integrates the activity of the various sub-systems.

IPC 8 full level

B65B 69/00 (2006.01); **B65B 35/16** (2006.01); **B65B 35/36** (2006.01)

CPC (source: EP)

B65B 69/0008 (2013.01)

Citation (search report)

See references of WO 2006043261A1

Cited by

EP3409602A1; EP3070014A1; CN110759107A; PL440040A1; EP3770072A1; US11292631B2; WO2019087067A1; WO2019087068A1; US11299310B2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006043261 A1 20060427; DK 1838582 T3 20150407; EP 1838582 A1 20071003; EP 1838582 B1 20150107; EP 2604537 A1 20130619; ES 2533003 T3 20150406; GB 0517601 D0 20051005; HU E025153 T2 20160329; IL 164709 A0 20051218; IL 164709 A 20091118; PL 1838582 T3 20150831; PT 1838582 E 20150413; SI 1838582 T1 20150529

DOCDB simple family (application)

IL 2005000599 W 20050607; DK 05747588 T 20050607; EP 05747588 A 20050607; EP 13158860 A 20050607; ES 05747588 T 20050607; GB 0517601 A 20050830; HU E05747588 A 20050607; IL 16470904 A 20041019; PL 05747588 T 20050607; PT 05747588 T 20050607; SI 200531952 T 20050607