

Title (en)

AUTOMATIC BAG SLITTER, AND METHOD OF USE THEREOF

Title (de)

AUTOMATISCHER BEUTELSCHLITZER UND VERWENDUNGSVERFAHREN DAFÜR

Title (fr)

COUPEUSE DE SAC AUTOMATIQUE, ET PROCÉDÉ D'UTILISATION ASSOCIÉ

Publication

EP 2714527 A4 20141217 (EN)

Application

EP 12793607 A 20120524

Priority

- CA 2741247 A 20110527
- CA 2012000497 W 20120524

Abstract (en)

[origin: WO2012162793A1] The automatic bag opening and slitting machine has a spike star wheels assembly comprising either of one or a combination of star wheels or cylindroid drum like object. The star wheels assembly is provided with spikes which convey a bag, impaled on the spikes when in an extended position, and extends beneath rotary cutting disks driven by two independent pneumatic or electric motors, that may make a continuous cut around three sides of the bag, so that after cutting thereof, the bag comprises two halves joined only at the rear or trailing side of the bag. These two bag halves are unfolded as one half of the bag engaged by the spikes is drawn around the upstream end of the star wheels assembly, while the other half slides over the rocker arm/bag separation bar/slide guide bar, thus emptying the powder/granular content of the bag into a hopper and releasing the emptied bag by retraction of the spikes from the bag for collection therebelow into a chute, for disposal into an endless screw which extrudes the bag into a compaction tube. The compacted bags are thereafter pushed into a waste plastic bag for refuse disposal.

IPC 8 full level

B65B 69/00 (2006.01); **B65G 65/34** (2006.01)

CPC (source: EP)

B65B 69/0008 (2013.01); **B65B 69/0033** (2013.01)

Citation (search report)

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- [A] DE 2218026 A1 19731108 - COLLIN HEINRICH DR ING
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- [A] EP 0198685 A1 19861022 - SAC A PAL LTD [GB]
- [A] JP 2001010614 A 20010116 - NIIGATA ENGINEERING CO LTD
- See also references of WO 2012162793A1

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012162793 A1 20121206; WO 2012162793 A8 20140306; CA 2741247 A1 20121127; CA 2741247 C 20170418; EP 2714527 A1 20140409; EP 2714527 A4 20141217; EP 2714527 B1 20160420

DOCDB simple family (application)

CA 2012000497 W 20120524; CA 2741247 A 20110527; EP 12793607 A 20120524