

Title (en)

DEVICE FOR CUTTING AND EMPTYING BAGS WITH A COLLECTING AND DUST REMOVING FILTER

Publication

EP 0142763 B1 19870304 (DE)

Application

EP 84113271 A 19841105

Priority

DE 3340894 A 19831111

Abstract (en)

[origin: US4627781A] The invention relates to a bag-cutting- and emptying-device with a connected collective dust-removal filter, whereby it is the aim to replace the manual cutting process customary in devices of this type by a driven knife and to fix the position of the bag within the housing in such a manner so that this bag can be seized manually and can be shaken. Hereby, also in the case of an additional manual intervention, the bag-feeding-area is to be protected against infiltrating excess air through the intervention of appropriate means surrounding the bag. The invention makes provisions for the feeding of the bag through the intervention of a supporting-table (7/8) ending in a bag-chute (8), whereby the final boundary of the bag-chute (8) can be delimited by means of a stop-flap (15) for the support of the bag. In this position, the bag is cut in a curved manner by means of a knife (20) arranged at rocking-levers (19), with this being done in such a way so that the cut ends directly in front of the bag edge lying on top of the bag-chute (8). By means of the pressure cylinder (16) and the knife (20), the stop-flap (15) is driven in the direction of the end-position at each given time whereby, after execution of the cut, the stop-flap (15) is pivoted in downward position.

IPC 1-7

B65B 69/00

IPC 8 full level

B65B 69/00 (2006.01)

CPC (source: EP US)

B65B 69/0008 (2013.01 - EP US); **Y10T 83/9314** (2015.04 - EP US)

Cited by

CN104443605A; CN110545663A; IT202100001532A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0142763 A1 19850529; EP 0142763 B1 19870304; AT E25641 T1 19870315; DE 3340894 A1 19850523; DE 3462471 D1 19870409; US 4627781 A 19861209

DOCDB simple family (application)

EP 84113271 A 19841105; AT 84113271 T 19841105; DE 3340894 A 19831111; DE 3462471 T 19841105; US 66554984 A 19841026