

Title (en)

Bagging apparatus particularly for granular and/or powdery products

Title (de)

Beutelfüllvorrichtung insbesondere für körniges und/oder pulverförmigen Schüttgut

Title (fr)

Machine d'ensachage en particulier pour des produits granulaires et/ou pulvérulents

Publication

EP 1733968 A1 20061220 (EN)

Application

EP 06115516 A 20060615

Priority

IT BO20050408 A 20050617

Abstract (en)

A bagging apparatus, particularly for granular and/or powdery products, of the type adapted to vacuum-package granular and/or powdery products in bags (2), comprising at least one compaction chamber (3) for the bag (2), in which at least one of the walls (12, 13, 14, 14a, 14b) is movable and is adapted to apply a pressure to a surface (4) of the bag (2), so as to expel therefrom the contained air and/or gases and compact the product, and at least one bell (5), which is provided with at least one filter probe (6), which is connected to air and/or gas suction elements and is adapted to produce vacuum inside the bag (2), the bell (5) being associated with elements for bidirectional translational motion from an inactive retracted position to a suction position, in which the bell is at least partially inserted in a mouth (2a) of the bag (2) so as to adhere perimetrically to an internal surface (7) of the bag, elements (8) being further provided for heat-sealing the mouth (2a) in the portion arranged in contact with the bell (5), the sealing elements being adapted to provide a final closure of the mouth (2a) of the bag (2) along the internal surface (7) thereof, which has remained unsoiled by the product.

IPC 8 full level

B65B 31/06 (2006.01); **B65B 1/22** (2006.01); **B65B 31/04** (2006.01)

CPC (source: EP US)

B65B 1/22 (2013.01 - EP US); **B65B 31/045** (2013.01 - EP US); **B65B 31/06** (2013.01 - EP US)

Citation (search report)

- [XY] WO 9413537 A1 19940623 - SIMPLOT CO J R [US], et al
- [Y] EP 0761544 A1 19970312 - GOGLIO SPA LUIGI MILANO [IT]
- [X] EP 1057729 A1 20001206 - MOLINS PLC [GB], et al
- [X] EP 0927134 A1 19990707 - KRAFT FOODS INC [US], et al
- [A] US 4174599 A 19791120 - CALLET ROBERT [FR], et al
- [A] DE 1037357 B 19580821 - HESSER AG MASCHF

Cited by

CN105600017A; CN110667943A; CN109808920A; EP2889227A4; CN112357180A; ITM20101152A1; CN102958806A; EA022389B1; EP3566955A1; IT201800005181A1; WO2012014027A1

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1733968 A1 20061220; IT BO20050408 A1 20061218; US 2006283149 A1 20061221

DOCDB simple family (application)

EP 06115516 A 20060615; IT BO20050408 A 20050617; US 45235006 A 20060614