Title (en)
DEVICE, SYSTEM AND METHOD FOR FILLING PACKAGES WITH SOLID FOOD PRODUCT

Title (de)
VORRICHTUNG, SYSTEM UND VERFAHREN ZUR BEFÜLLUNG VON VERPACKUNGEN MIT FESTEN LEBENSMITTELN

Title (fr)
DISPOSITIF, SYSTÈME ET PROCÉDÉ DE REMPLISSAGE D'EMBALLAGES AVEC UN PRODUIT ALIMENTAIRE SOLIDE

Publication
EP 3650359 A1 20200513 (EN)

Application
EP 19207310 A 20191105

Priority
EP 18205684 A 20181112

Abstract (en)
A device (1) for filling at least one package (10) with a first volume of solid food product is provided. The device (1) comprises a pump (4) operatively connected to a product tank (2) containing the solid food product, at least one fill head (8) operatively connected to the pump (4); a valve (7) configured to selectively connect the pump (4) to the product tank (2) or to the fill head (8); and a control unit (9) configured to control the valve (7) to connect the pump (4) to the product tank (2) or to the fill head (8), and to control the pump (4) to supply the first volume of solid food product to the fill head (8), wherein the control unit (9) is further configured to control the pump (4) to draw from the product tank (2) a larger volume of solid food than the first volume and to output an excess volume back to the product tank (2).A system (20) and method (100) for filling at least one package (10) with solid food product is also provided.

IPC 8 full level
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CPC (source: CN EP)
B65B 1/16 (2013.01 - CN); B65B 1/36 (2013.01 - EP); B65B 1/38 (2013.01 - CN); B65B 3/24 (2013.01 - EP); B65B 25/001 (2013.01 - EP); B65B 25/02 (2013.01 - EP); B65B 2220/14 (2013.01 - EP)

Citation (search report)
- [A] US 4606174 A 19860819 - BERG RUNE [CH]
- [A] US 4608810 A 19860902 - BORDINI GIORGIO [IT]
- [A] US 2009123298 A1 20090514 - KOLLER ADAM M [US], et al
- [A] GB 1453216 A 19761020 - DEL MONTE CORP

Designated contracting state (EPC)
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Designated extension state (EPC)
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DOCDB simple family (publication)
EP 3650359 A1 20200513; EP 3650359 B1 20220105; CN 111169677 A 20200519; CN 111169677 B 20230530; CN 212333018 U 20210112; ES 2909001 T3 20220504; WO 2020099195 A1 20200522

DOCDB simple family (application)
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