

Title (en)
Supplying device

Title (de)
Versorgungsvorrichtung

Title (fr)
dispositif d'alimentation

Publication
EP 2671808 B1 20141029 (EN)

Application
EP 13170129 A 20130531

Priority
IT BO20120307 A 20120605

Abstract (en)
[origin: EP2671808A1] The device for supplying an inlet line (L) of a packing machine with flat packs contained internally of a cardboard box (C), in batteries (B) of packs superposed on one another, comprises: a rest plate (1) provided with through-holes (11), for restingly receiving the base surface (CB) of the box (C), which includes a series of through-holes (F), a series of rods (2) and moving means (M) of the rods (2), activatable in such a way as to translate the rods (2) with respect to the plate (1). The moving means (M) are commandable to translate the rods (2) with respect to the plate (1) in such a way that the rods (2) pass through the holes (11) present in the plate (1) and the holes (F) present on the base surface (CB) of the box (C), enter internally of the box (C) and raise the batteries (B) of packs present therein such that a battery (B) of packs in turn is raised into a position (P) beyond the upper open surface (I) of the box (C) and maintained in said position (P) for a time that is sufficient for all the packs of the battery to be supplied and transferred to the inlet line (L) of the packing machine.

IPC 8 full level
B65B 43/12 (2006.01); **B65D 5/50** (2006.01); **B65H 1/02** (2006.01); **B65H 1/30** (2006.01)

CPC (source: EP US)
B65B 43/126 (2013.01 - EP US); **B65D 1/22** (2013.01 - US); **B65D 5/503** (2013.01 - EP US); **B65H 1/02** (2013.01 - EP US); **B65H 1/30** (2013.01 - EP US); **B65H 2404/40** (2013.01 - EP US); **B65H 2404/742** (2013.01 - EP US); **B65H 2405/211** (2013.01 - EP US); **B65H 2405/60** (2013.01 - EP US); **B65H 2701/1766** (2013.01 - EP US)

Cited by
CN106672280A; IT201700101123A1; KR20200052903A; CN111212788A; US11198570B2; WO2019049075A1

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