

Title (en)

Apparatus for filling containers with rod-shaped articles

Title (de)

Vorrichtung zum Füllen von Behältern mit stabförmigen Gegenständen

Title (fr)

Dispositif de remplissage de contenants avec des articles en forme de tige

Publication

**EP 2676885 A1 20131225 (EN)**

Application

**EP 13171791 A 20130613**

Priority

IT BO20120335 A 20120620

Abstract (en)

An apparatus (1) for filling containers (8) with rod-shaped articles (2) comprises a hopper (3) for feeding the articles (2), having at least one mouth (4) for dispensing the articles (2) through a respective lower end, a conveyor (9) located in the vicinity of the dispensing mouth (4) and supporting a plurality of containers (8) designed to receive inside the superposed layers (12) of articles (2), and extractor elements (11) for removing in succession the layers (12) of articles (2) from an unloading zone of each dispensing mouth (4) and inserting them inside containers (8) carried by the conveyor (9), the extractor elements (11) comprise, for each dispensing mouth (4), a supporting element (13) positioned below the unloading zone of the dispensing mouth (4) and designed to receive from above and to hold a layer (12) of articles (2), being equipped with motor means (13') for moving the supporting element (13) away from the unloading zone after receiving one layer (12) of articles (2); and the extractor means (11) also comprise, for each dispensing mouth (4), a pick-up element (20) designed to pick up from above and to hold a layer (12) of articles (2) supported by a supporting element (13) moved away from the unloading zone, being provided with an actuating device (17) for moving the pick-up element (20) above a container (8) carried by the conveyor (9), with subsequent release of the relative layer (12) of articles (2) inside the container (8). [ Figure 1 ]

IPC 8 full level

**B65B 19/10** (2006.01); **B65B 5/06** (2006.01)

CPC (source: EP US)

**B65B 5/06** (2013.01 - US); **B65B 19/10** (2013.01 - EP US)

Citation (search report)

- [Y] DE 614078 C 19350601 - MULLER J C & CO
- [Y] EP 0825114 A1 19980225 - GD SPA [IT]
- [A] US 4848561 A 19890718 - HINCHCLIFFE DENNIS [GB], et al
- [A] DE 612851 C 19350506 - MULLER J C & CO

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2676885 A1 20131225**; **EP 2676885 B1 20160406**; IT BO20120335 A1 20131221; US 2014157733 A1 20140612

DOCDB simple family (application)

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