

Title (en)

Method and apparatus for filling containers with rod-shaped articles

Title (de)

Verfahren und Vorrichtung zum Befüllen von Behältern mit stabförmigen Gegenständen

Title (fr)

Dispositif et procédé pour remplir des conteneurs avec des objets en forme de tige

Publication

EP 2676890 B1 20150401 (EN)

Application

EP 13171871 A 20130613

Priority

IT BO20120336 A 20120620

Abstract (en)

[origin: EP2676890A1] In a method and an apparatus (1) for filling containers (8) with rod-shaped articles (2) a hopper (3) for feeding the articles (2) comprises at least two mouths (4) for dispensing the articles (2) through respective lower ends, a conveyor device (9) located in the vicinity of the at least two dispensing mouths (4) and supporting a plurality of containers (8) designed to receive inside the superposed layers (12) of articles (2), an extractor device (11) for removing the articles (2) from an unloading zone of each dispensing mouth (4) and inserting them inside containers (8) carried by the conveyor device (9), and an apparatus (29) for dispensing containers (8) designed to feed containers (8) to be filled towards the conveyor device (9), the conveyor device (9) comprises two conveyors (17, 18) placed side by side and designed to operate independently on the containers (8) supported by the conveyor device (9), and respective motor means (21, 22) are associated with the two conveyors (17, 18) so that one of the two conveyors (17, 18) moves towards the hopper (3) the empty containers (8) carried on the conveyor means (9) from the dispensing apparatus (29), and the other of the two conveyors (17, 18) moves away from the hopper (3) the containers (8) full of rod-shaped articles (2).

IPC 8 full level

B65B 19/02 (2006.01); **B65B 19/12** (2006.01); **B65B 43/52** (2006.01); **B65G 15/20** (2006.01)

CPC (source: EP US)

B65B 19/02 (2013.01 - EP US); **B65B 19/12** (2013.01 - US); **B65B 43/52** (2013.01 - EP US)

Cited by

CN103754558A; WO2016008559A1

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

DOCDB simple family (publication)

EP 2676890 A1 20131225; **EP 2676890 B1 20150401**; IT BO20120336 A1 20131221; PL 2676890 T3 20150831; US 2014157725 A1 20140612

DOCDB simple family (application)

EP 13171871 A 20130613; IT BO20120336 A 20120620; PL 13171871 T 20130613; US 201313920591 A 20130618