

Title (en)

STRAW FILLING DEVICE AND MACHINE COMPRISING SAME

Title (de)

STROHFÜLLVORRICHTUNG UND MASCHINE DAMIT

Title (fr)

DISPOSITIF DE REMPLISSAGE DE PAILLETES ET MACHINE LE COMPORTANT

Publication

EP 3302352 B1 20190320 (FR)

Application

EP 16741054 A 20160602

Priority

- FR 1555021 A 20150602
- FR 2016051320 W 20160602

Abstract (en)

[origin: WO2016193629A1] The straw (11) filling device comprises a casing body having a cavity (43) in which the needle (9) of a nozzle (7) is placed. The needle is inserted into the straw tube (12) received in the cavity. The casing body is attached to a carriage separately from the needle. The cavity comprises a distal opening located on the distal end side of the needle, a proximal opening located on the proximal end side of the needle, and a longitudinal opening extending from the distal opening to the proximal opening, thus enabling placement and removal of the needle in and out of the cavity in a direction transverse to the direction of the needle and preventing an adult finger accessing the distal end of the needle. The machine comprises a device of this type and a conveyor (2) designed to keep the straw tube in a filling position during each cycle.

IPC 8 full level

A61D 19/02 (2006.01)

CPC (source: EP US)

A61D 19/024 (2013.01 - EP US); **B65B 1/16** (2013.01 - US); **B67C 3/26** (2013.01 - US)

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)

WO 2016193629 A1 20161208; EP 3302352 A1 20180411; EP 3302352 B1 20190320; FR 3036947 A1 20161209; FR 3036947 B1 20170526; US 10407192 B2 20190910; US 2018162564 A1 20180614

DOCDB simple family (application)

FR 2016051320 W 20160602; EP 16741054 A 20160602; FR 1555021 A 20150602; US 201615578349 A 20160602