

Title (en)

EMPTYING MAGAZINE AND METHOD FOR EMPTYING TRAYS FILLED WITH ROD-LIKE ARTICLES IN THE TOBACCO-PROCESSING INDUSTRY

Title (de)

ENTLEERMAGAZIN UND VERFAHREN ZUM ENTLEEREN VON MIT STABFÖRMIGEN ARTIKELN DER TABAK VERARBEITENDEN INDUSTRIE GEFÜLLTEN SCHRAGEN

Title (fr)

CARTOUCHE DE VIDAGE ET PROCÉDÉ DE VIDAGE DE CASIERS REMPLIS D'ARTICLES EN FORME DE TIGE DE L'INDUSTRIE DE TRANSFORMATION DU TABAC

Publication

EP 3328222 A1 20180606 (DE)

Application

EP 16745095 A 20160725

Priority

- DE 102015009740 A 20150731
- EP 2016067663 W 20160725

Abstract (en)

[origin: WO2017021189A1] The invention relates to an emptying magazine (10) for a tray-emptying station for emptying trays filled with rod-like articles in the tobacco-processing industry, comprising an accommodating space (11) for the articles flowing out of the tray, wherein the accommodating space (11), which is bounded at least on the sides (13, 14) and the rear side (15), is open upwards in the direction of the tray which is to be emptied and is bounded in the downward direction by a conveying element (17), which forms a channel (16) and is intended for transporting the articles away, and also comprising at least one displacement body (18), which acts as a flow-regulating element and is arranged in the region where the articles are transferred from the accommodating space (11) into the channel (16), wherein each displacement body (18) has a main body (19) and a roof element (20), which is arranged resiliently in relation to the main body (19) and is directed towards the accommodating space (11), this being distinguished in that each displacement body (18) is assigned a resilient means (22) which can be regulated by means of a compressed-air-regulating valve (21), such that at least the roof element (20), which is directed towards the accommodating space (11), can have its resilient behaviour in relation to the main body (19) regulated in a product-dependent manner. The invention further relates to a corresponding method.

IPC 8 full level

A24C 5/356 (2006.01)

CPC (source: EP)

A24C 5/356 (2013.01)

Citation (search report)

See references of WO 2017021189A1

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)

DE 102015009740 A1 20170202; DE 102015009740 B4 20181011; CN 107846966 A 20180327; CN 107846966 B 20210101; EP 3328222 A1 20180606; EP 3328222 B1 20190522; PL 3328222 T3 20191129; PL 3328222 T4 20191129; WO 2017021189 A1 20170209

DOCDB simple family (application)

DE 102015009740 A 20150731; CN 201680044738 A 20160725; EP 16745095 A 20160725; EP 2016067663 W 20160725; PL 16745095 T 20160725