

Title (en)

Emptying cartridge and method for emptying chamfers filled with rod-shaped objects, in particular shaft chamfers and device for bringing together mass flows, in particular for an emptying cartridge

Title (de)

Entleermagazin und Verfahren zum Entleeren von mit stabförmigen Produkten gefüllten Schragen, insbesondere Schachtschragen sowie Einrichtung zum Zusammenführen von Massenströmen insbesondere für ein Entleermagazin

Title (fr)

Cartouche de vidage et procédé de vidage de combles remplis de produits en forme de tiges, notamment combles de puits ainsi que dispositif de réunion de flux de matière, notamment pour une cartouche de vidage

Publication

EP 2220950 A3 20101103 (DE)

Application

EP 10075068 A 20100217

Priority

DE 102009009831 A 20090218

Abstract (en)

[origin: EP2220950A2] The magazine (10) has a flow controlling element (19, 21) arranged within a receiving space (11) forming two vertical adjusted canals (20). Another canal (18) forms a conveying element (17) for evacuating a product in relation to the receiving space and/or is inclination-arranged in the flow controlling element. An inclination angle and distance between the conveying element and the flow controlling element are adjusted depending on diameter of the product by adjustment of the flow controlling element under retention of contour and/or conveying element. An independent claim is also included for a method for emptying box that is filled with rod-shaped product.

IPC 8 full level

A24C 5/356 (2006.01)

CPC (source: EP)

A24C 5/35 (2013.01)

Citation (search report)

- [XAY] DE 102007012697 A1 20080918 - HAUNI MASCHINENBAU AG [DE]
- [Y] GB 2165529 A 19860416 - GD SPA
- [YA] EP 1952706 A1 20080806 - HAUNI MASCHINENBAU AG [DE]
- [A] EP 1741352 A1 20070110 - GD SPA [IT]
- [A] EP 1952705 A2 20080806 - HAUNI MASCHINENBAU AG [DE]
- [A] WO 2008020775 A1 20080221 - INT TOBACCO MACHINERY POLAND [PL], et al

Cited by

EP3028585A1; EP3305100A1

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2220950 A2 20100825; EP 2220950 A3 20101103; EP 2220950 A9 20110309; EP 2220950 B1 20161214; CN 102058158 A 20110518; CN 102058158 B 20150701; DE 102009009831 A1 20100826; EP 2359704 A1 20110824; EP 2359704 B1 20170104; PL 2220950 T3 20170531; PL 2359704 T3 20170731

DOCDB simple family (application)

EP 10075068 A 20100217; CN 201010120483 A 20100222; DE 102009009831 A 20090218; EP 11151513 A 20100217; PL 10075068 T 20100217; PL 11151513 T 20100217