

Title (en)  
METHOD AND APPARATUS FOR EMPTYING OF A FOUR-WALL OR FIVE-WALL TRAY FILLED WITH ROD LIKE ARTICLES OF THE TOBACCO INDUSTRY

Title (de)  
VERFAHREN UND VORRICHTUNG ZUM ENTLEEREN EINEN VIERWANDIGEN ODER FÜNFWANDIGEN SCHRAGEN, GEFÜLLT MIT STABARTIGEN GEGENSTÄNDEN AUS DER TABAKVERARBEITENDEN INDUSTRIE

Title (fr)  
PROCÉDÉ ET APPAREIL PERMETTANT DE VIDER UN FOUR-WALL OU FIVE-WALL PLATEAU REMPLI D'ARTICLES EN FORME DE TIGE DE L'INDUSTRIE DU TABAC

Publication  
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Application  
**EP 16179251 A 20160713**

Priority  
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Abstract (en)  
Apparatus (1) for emptying of a four-wall tray (3) and/or a five-wall tray (13) filled with rod like articles (R) of the tobacco industry, whereas one wall (13T') of the five-wall tray (13) is hinged, provided with a filled trays station (2), a turning unit (10) adapted to turn the filled tray (3, 13), a lifting unit (11) adapted to lift the turning unit (10), a filled tray emptying station (23), and an empty trays station (25), with the paths of movement along which the four-wall tray (3) and the five-wall tray (13) are transported being shaped in such a way that they run through operating areas of the units of the apparatus (1), and the mechanisms of the units of the apparatus (1) having adjustable or shiftable gripping or guiding members to be adapted to the mechanisms of both four-wall trays (3) and five-wall trays (13). The apparatus (1) is characterised in that the paths of movement of the tray (3, 13) are traced by the mechanisms of the apparatus (1) and are shaped so that the paths for the four-wall tray (3) and the five-wall tray (13) at least partially overlap. The object of the application is also a method for emptying of the trays (3, 13) using the apparatus (1) according to the invention.

IPC 8 full level  
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Citation (applicant)  

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- WO 2015033264 A1 20150312 - GD SPA [IT]
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- EP 1086628 B1 20060621 - HAUNI MASCHINENBAU AG [DE]
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Citation (search report)  

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- [A] EP 1086628 A2 20010328 - HAUNI MASCHINENBAU AG [DE]
- [A] GB 2148853 A 19850605 - MOLINS PLC

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