

Title (en)

TRAY EMPTYING METHOD FOR TOBACCO INDUSTRY

Title (de)

VERFAHREN ZUM LEEREN VON TABLETTS FÜR DIE TABAKINDUSTRIE

Title (fr)

PROCÉDÉ DE VIDAGE DE PLATEAU POUR L'INDUSTRIE DU TABAC

Publication

**EP 2079327 A1 20090722 (EN)**

Application

**EP 07793962 A 20070817**

Priority

- PL 2007000058 W 20070817
- PL 38043906 A 20060818

Abstract (en)

[origin: WO2008020775A1] Rod-like elements are transferred by gravity from a tray to many segments of an intermediate store, the segments being separated from each other with vertical partition walls and then, independently of each other, are emptied through a throat formed within store base, wherein both the intermediate store and its base together with the throat, independently of each other, reciprocate along a receiving conveyor so that consecutive segments of the store could meet the throat, while the segment emptying sequence is in backward relationship to the receiving direction of rod-like elements transported on the conveyor. The rod-like elements are delivered onto the conveyor through a chute firmly connected to the throat whereas the throat has surface that in size complies with horizontal cross section of a segment of the intermediate store and each time receives elements from one consecutive segment, and the complete segment emptying is monitored by a sensor. The width of emptied segments corresponds to the layer height of mass flow of the rod-like elements and placed on the above mentioned conveyor. Furthermore, this invention presents in detail three alternative methods presenting how to empty the above segments in compliance with the mentioned principles.

IPC 8 full level

**A24C 5/356** (2006.01)

CPC (source: EP)

**A24C 5/356** (2013.01); **A24C 5/358** (2013.01)

Citation (search report)

See references of WO 2008020775A1

Cited by

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