

Title (en)  
DEVICE FOR SEPARATING POSTAL ITEMS ACCORDING TO THICKNESS CLASSES

Title (de)  
VORRICHTUNG ZUM TRENNEN VON SENDUNGEN IN DICKENKLASSEN

Title (fr)  
DISPOSITIF POUR TRIER DES ENVOIS PAR CATEGORIES D'EPAISSEURS

Publication  
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Application  
**EP 02754487 A 20020802**

Priority  
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Abstract (en)  
[origin: WO03018215A1] The invention relates to a device for separating flat postal items according to thickness classes. A rigid system of overlapping lamellae (5) on two continuous traction mechanisms (3) revolving on two deflection rollers (4) provides a lamella-type conveyor belt. The lamellae (5), in the end zones of the belt, are inclined outward at the same angle, thereby forming inward-leading gaps in between them. The lamella-type conveyor belt is inclined with respect to the horizontal to such an extent that postal items (10) that are conveyed to the lower part of the belt transporting the postal items upwards can slide, due to their gravity, into the interior of the lamella-type conveyor belt through the downward leading gaps if they are thinner than the gap width. The sorted out postal items (11) slide onto a transport device (7) by means of rigid guides (6) in the interior of the lamella-type conveyor belt. Said transport device transports the postal items laterally outward from the lamella-type conveyor belt. At least one additional similar lamella-type conveyor belt is disposed at a slight distance behind the first conveyor belt, inclined at the same angle with respect to the horizontal.

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IPC 8 full level  
**B07B 1/10** (2006.01); **B07C 1/16** (2006.01)

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