

Title (en)  
DISPENSING APPARATUS FOR DENESTING CARDBOARD SHEETS

Title (de)  
AUSGABEVORRICHTUNG ZUR ENTSTAPELUNG VON KARTONBÖGEN

Title (fr)  
APPAREIL DE DISTRIBUTION DE DÉSEMPILEMENT DE FEUILLES DE CARTON

Publication  
**EP 3536642 A1 20190911 (EN)**

Application  
**EP 18160193 A 20180306**

Priority  
EP 18160193 A 20180306

Abstract (en)  
The invention relates to dispensing apparatus for denesting cardboard sheets from a stack (1) of cardboard sheets. The apparatus may comprise at least one conveyor belt (3,4) arranged in immediate vicinity of an opening of a cardboard sheet magazine toward the at least one conveyor belt (3,4), and rear guide rail (6) with an angled outer end (8), and a front guide rail (7) with an angled outer end (9), the angle of the rear guide rail (6) being larger than the angle of the front guide rail (8). The apparatus may also comprise a rear conveyor belt (3) and a front conveyor belt (4) overlapping outside the opening of the cardboard sheet magazine towards the conveyor belts (3,4), a velocity of the rear conveyor belt (3) being lower than a velocity of the front conveyor belt (4).

IPC 8 full level  
**B65H 1/26** (2006.01); **B65H 3/04** (2006.01); **B65H 3/56** (2006.01)

CPC (source: EP)  
**B65H 1/266** (2013.01); **B65H 3/042** (2013.01); **B65H 3/56** (2013.01); **B65H 2404/2691** (2013.01); **B65H 2601/324** (2013.01); **B65H 2701/176** (2013.01)

Citation (applicant)  
US 4452031 A 19840605 - DENNIS EDMUND G [US], et al

Citation (search report)  
• [XA] US 3664660 A 19720523 - RUNZI KURT  
• [XA] DE 102009023109 A1 20091217 - PETRATTO GIORGIO [IT]  
• [A] US 2014377048 A1 20141225 - HÖPNER BERND [DE], et al  
• [A] DE 9403531 U1 19940511 - STAHL GMBH & CO MASCHF [DE]

Cited by  
EP4223678A1

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)  
**EP 3536642 A1 20190911**; **EP 3536642 B1 20230719**; **EP 3536642 C0 20230719**; ES 2959834 T3 20240228; PL 3536642 T3 20231227

DOCDB simple family (application)  
**EP 18160193 A 20180306**; ES 18160193 T 20180306; PL 18160193 T 20180306