

Title (en)  
PAPER SHEET TYPE MEDIUM STACKING DEVICE

Title (de)  
STAPELVORRICHTUNG FÜR PAPIERMEDIEN

Title (fr)  
DISPOSITIF D'EMPILEMENT DE SUPPORTS DU TYPE FEUILLE DE PAPIER

Publication  
**EP 2919207 A1 20150916 (EN)**

Application  
**EP 13854086 A 20130627**

Priority  
• CN 201210448733 A 20121109  
• CN 2013078105 W 20130627

Abstract (en)  
A sheet type medium treatment technology, and in particular a device through which paper sheet type media are stacked piece by piece and the whole stacked media do not wriggle and draw back. The device comprises a single-piece paper sheet type medium conveying mechanism (105), an upper portion conveying belt (153), an arc-shaped stacking plate (18, 19, 25), a movable stopping mechanism (20), a sensor device (17) and a control part. An acanthoid protruding rib is arranged at the position on the arc-shaped surface of the arc-shaped stacking plate (18, 19, 25), between which and the movable stopping mechanism (20) the distance is the length of one piece of paper sheet type medium. The acanthoid protruding rib enables the paper sheet type media to pass only in a discharging direction. Due to the fact that the acanthoid protruding rib is arranged on the working surface of the arc-shaped stacking plate (18, 19, 25), the acanthoid protruding rib has the single-direction performance of paper sheet type medium conveying, the acanthoid protruding rib is provided with a guide-out surface and a blocking surface, the paper sheet type media can be conveyed along one direction, moving is irreversible, the problem that the paper sheet type media wriggle and draw back because of the rebound effect of the conveying belt is effectively solved, and the expected effect of sheet type medium stacking is achieved.

IPC 8 full level  
**G07D 13/00** (2006.01)

CPC (source: EP US)  
**B65H 29/14** (2013.01 - US); **B65H 29/18** (2013.01 - EP US); **B65H 29/38** (2013.01 - US); **B65H 29/58** (2013.01 - EP US); **B65H 31/02** (2013.01 - EP US); **B65H 31/26** (2013.01 - US); **B65H 31/3027** (2013.01 - EP US); **B65H 31/36** (2013.01 - EP US); **B65H 43/00** (2013.01 - US); **G07D 11/14** (2018.12 - EP US); **B65H 2301/4212** (2013.01 - EP US); **B65H 2301/4213** (2013.01 - EP US); **B65H 2403/942** (2013.01 - EP US); **B65H 2404/268** (2013.01 - EP US); **B65H 2404/5214** (2013.01 - EP US); **B65H 2404/632** (2013.01 - EP US); **B65H 2405/1114** (2013.01 - EP US); **B65H 2405/1116** (2013.01 - EP US); **B65H 2405/1124** (2013.01 - EP US); **B65H 2408/13** (2013.01 - EP US); **B65H 2701/1912** (2013.01 - EP US)

Designated contracting state (EPC)  
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