

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)
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