

Title (en)
SHEET STACKER AND METHOD FOR FORMING STACKS OF STAGGERED BUNDLES

Title (de)
BLATTSTAPEL- UND VERFAHREN ZUR BILDUNG VON VERSETZTEN STAPELBÜNDELN

Title (fr)
EMPILEUR DE FEUILLES ET PROCÉDÉ POUR FORMER DES PILES DE FAISCEAUX DÉCALÉS

Publication
EP 3147244 A1 20170329 (EN)

Application
EP 15186994 A 20150925

Priority
EP 15186994 A 20150925

Abstract (en)
The sheet stacker (1) comprises a sheet conveyor arrangement (3), configured for feeding a plurality of sheets (C) in succession in a sheet feeding direction (F), said sheet conveyor arrangement having a sheet discharge end (17). The sheet stacker further comprises a stacking bay (5), wherein sheets delivered by the sheet conveyor arrangement at the sheet discharge end thereof are formed into stacks (S). The stacking bay (5) comprises a stacker platform (19). The stacker platform (19) supports a stack conveyor (25) movable in a direction parallel to a feed direction (F) of the sheets (C) in the stacking bay (5), configured and controlled to perform a reciprocating staggering motion to form staggered bundles (B) of sheets, and to further perform an evacuation motion (fE), to remove a completed stack (S) from the stacking bay (5).

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CPC (source: EP)
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Citation (applicant)
• TW M423688 U 20120301 - LIN TZU-CHE [TW]
• US 2014353119 A1 20141204 - WU KUAN-SHIUNG [TW]
• US 2009169351 A1 20090702 - WU KUAN-SHIUNG [TW]
• CN 204057396 U 20141231 - QINGDAO KAITUO NC EQUIPMENT CO LTD
• CN 203255778 U 20131030 - BHS CORRUGATED MACHINERY SHANGHAI CO LTD

Citation (search report)
• [AD] US 2014353119 A1 20141204 - WU KUAN-SHIUNG [TW]
• [A] EP 0792831 A1 19970903 - FOSBER SPA [IT]
• [A] GB 1577298 A 19801022 - XEROX CORP

Cited by
EP4357283A1

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DOCDB simple family (application)
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