

## Title (en)

Device for stacking flat products, in particular printed products

## Title (de)

Vorrichtung zum Stapeln von flächigen Produkten, insbesondere Druckereiprodukten

## Title (fr)

Dispositif d'empilement de produits plats, notamment de produits d'impression

## Publication

**EP 2138439 A3 20120125 (DE)**

## Application

**EP 09001940 A 20090212**

## Priority

CH 7832008 A 20080523

## Abstract (en)

[origin: US2009289411A1] A preliminary stacking device (22) is arranged above the stacking shaft (12) of the stacking apparatus (10). This device has a preliminary stacking shaft (24) to which sheet-like products (30) are fed by way of the feed means (28). A number of sheet-like products (30) is stacked in each case on base elements (50) to form an intermediate stack (20), whereupon the intermediate stacks (20) are transferred to the stacking shaft (12). A number of base elements (50) are arranged one behind the other along a circulatory path (51), a working portion (85) of the movement path (51) of the base elements (50) running vertically through the preliminary stacking shaft (24). While an intermediate stack (20) is being formed on one base element (50), the base element (50) arranged beneath discharges a previously formed intermediate stack (20) to the stacking shaft (12).

## IPC 8 full level

**B65H 33/16** (2006.01)

## CPC (source: EP US)

**B65H 31/3009** (2013.01 - EP); **B65H 33/16** (2013.01 - EP US); **B65H 2220/09** (2013.01 - EP US); **B65H 2301/42112** (2013.01 - EP US); **B65H 2403/21** (2013.01 - EP US); **B65H 2405/352** (2013.01 - EP US); **B65H 2511/15** (2013.01 - EP US); **B65H 2511/30** (2013.01 - EP US); **B65H 2513/50** (2013.01 - EP US); **B65H 2555/24** (2013.01 - EP US)

## C-Set (source: EP US)

1. **B65H 2511/30** + **B65H 2220/01**
2. **B65H 2513/50** + **B65H 2220/02** + **B65H 2220/11**
3. **B65H 2511/15** + **B65H 2220/01**

## Citation (search report)

- [Y] EP 1253098 A1 20021030 - GRAPHIA HOLDING AG [CH]
- [Y] US 5226780 A 19930713 - SJOGREN CHRISTER A [US], et al
- [A] JP H0286967 U 19900710
- [A] EP 0344716 A2 19891206 - PAPER CONVERTING MACHINE CO [US]
- [A] FR 2806396 A1 20010921 - SARL SEROP CONCEPT [FR]

## Cited by

EP2602220A1; CH705846A1; US9221628B2

## Designated contracting state (EPC)

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 SE SI SK TR

## Designated extension state (EPC)

AL BA RS

## DOCDB simple family (publication)

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## DOCDB simple family (application)

**US 46466109 A 20090512**; AU 2009201198 A 20090326; EP 09001940 A 20090212