

Title (en)

DEVICE FOR ASSEMBLING A FLAT PRODUCT CONSISTING OF SEVERAL OVERLAYS

Publication

**EP 0456087 A3 19930113 (DE)**

Application

**EP 91106982 A 19910430**

Priority

DE 4014797 A 19900509

Abstract (en)

[origin: US5264069A] The device has a support plate (119) provided with drive means (112, 117) for at least one lower part, as well as a plurality of holding plates (85) arranged in one row with an upper receiving surface and a lower receiving surface (93, 94), respectively, for a plurality of upper parts. The holding plates (85) can be rotated through 180 DEG by means of a pivoting device (86, 87, 108) around a symmetrical horizontal axis (L3). After the upper parts have been placed on the holding plates (85), adhesive is applied to the edges of the upper parts, after which the holding plates (85) are pivoted through 180 DEG. The support plate (119) subsequently gathers the upper parts, which are now hanging down, while at the same time the next upper parts can be placed over the receiving surfaces of the holding plates (85), which [receiving surfaces] are now facing upward. The support plate (119) and the holding plates (85) are designed as suction plates that can be turned on and off.

IPC 1-7

**A43D 11/00; A43D 25/18**

IPC 8 full level

**A43D 11/00** (2006.01)

CPC (source: EP US)

**A43D 11/00** (2013.01 - EP US); **Y10T 156/1702** (2015.01 - EP US); **Y10T 156/1744** (2015.01 - EP US); **Y10T 156/1751** (2015.01 - EP US)

Citation (search report)

- [A] DE 3418309 A1 19851121 - PIETSCH INGO
- [A] US 3399410 A 19680903 - MACKENZIE FRED T, et al
- [A] FR 2340813 A1 19770909 - USM CORP [US]

Cited by

CN105734846A

Designated contracting state (EPC)

AT CH ES FR GB IT LI

DOCDB simple family (publication)

**EP 0456087 A2 19911113; EP 0456087 A3 19930113; DE 4014797 A1 19911114; DE 4014797 C2 19930708; US 5264069 A 19931123**

DOCDB simple family (application)

**EP 91106982 A 19910430; DE 4014797 A 19900509; US 69345391 A 19910429**