

Title (en)  
METHOD AND DEVICE HAVING MODULES AND CUTTING DEVICES FOR SHEET-LIKE SUBSTRATES

Title (de)  
VERFAHREN UND VORRICHTUNG MIT MODULEN UND TRENNEINRICHTUNGEN FÜR BOGENFÖRMIGE SUBSTRATE

Title (fr)  
PROCÉDÉ ET DISPOSITIF COMPRENANT DES MODULES ET DES DISPOSITIFS DE DÉCOUPE POUR SUBSTRATS EN FORME DE FEUILLE

Publication  
**EP 3380329 B1 20190904 (DE)**

Application  
**EP 16801437 A 20161123**

Priority

- DE 102015223103 A 20151123
- DE 102016209337 A 20160530
- DE 102016209346 A 20160530
- EP 2016078592 W 20161123

Abstract (en)  
[origin: WO2017089422A2] The invention relates to a method and a device for treating substrates. The aim of the invention is to provide a method and a device for treating substrates which are modular and versatile in use. The aim is achieved in that a device for treating substrates (1) comprises a feeder (7) and one or more first sub-structure modules (100) which each comprise a pressure cylinder (41) with means for fixing a lift (5) and a sheet-conveying device and one or more second sub-structure modules (101) which respectively have a transport cylinder (3) with openings (12) formed in the cover surface thereof, and means for fixing a lift (5) and a sheet conveying device. All first and second sub-structure modules (100, 101) have the same intersection points for connecting the sub-structure modules (100, 101) on the inlet and/or exit side and can be equipped and/or are equipped with an attachment module.

IPC 8 full level  
**B41F 19/00** (2006.01); **B26D 1/40** (2006.01); **B26D 7/18** (2006.01); **B26D 7/26** (2006.01); **B26F 1/10** (2006.01); **B31B 50/16** (2017.01); **B31F 1/07** (2006.01); **B31F 1/10** (2006.01); **B41F 7/06** (2006.01); **B41F 19/06** (2006.01); **B41F 21/00** (2006.01); **B41F 21/10** (2006.01); **B41F 27/02** (2006.01); **B41F 30/02** (2006.01); **B41G 7/00** (2006.01); **B65H 5/22** (2006.01); **B65H 29/24** (2006.01); **B65H 29/56** (2006.01); **B65H 31/10** (2006.01); **B65H 33/04** (2006.01); **F01L 7/02** (2006.01)

CPC (source: EP US)  
**B26D 1/405** (2013.01 - EP US); **B26D 7/018** (2013.01 - EP US); **B26D 7/18** (2013.01 - EP US); **B26D 7/1854** (2013.01 - EP US); **B26D 7/265** (2013.01 - EP US); **B26F 1/0092** (2013.01 - EP US); **B26F 1/10** (2013.01 - EP US); **B26F 1/384** (2013.01 - EP US); **B31B 50/146** (2017.07 - EP US); **B31B 50/16** (2017.07 - EP US); **B31B 50/256** (2017.07 - EP US); **B31B 50/88** (2017.07 - EP US); **B31B 70/146** (2017.07 - US); **B31B 70/16** (2017.07 - US); **B31B 70/256** (2017.07 - US); **B31B 70/88** (2017.07 - US); **B31F 1/10** (2013.01 - EP US); **B41F 7/06** (2013.01 - EP US); **B41F 19/004** (2013.01 - EP US); **B41F 19/008** (2013.01 - EP US); **B41F 19/062** (2013.01 - EP US); **B41F 21/00** (2013.01 - EP US); **B41F 21/102** (2013.01 - EP US); **B41F 27/02** (2013.01 - EP US); **B41F 30/02** (2013.01 - EP US); **B41G 7/00** (2013.01 - EP US); **B41G 7/006** (2013.01 - US); **B65H 3/08** (2013.01 - EP US); **B65H 5/226** (2013.01 - EP US); **B65H 29/242** (2013.01 - EP US); **B65H 29/243** (2013.01 - EP US); **B65H 29/56** (2013.01 - EP US); **B65H 31/10** (2013.01 - EP US); **B65H 33/04** (2013.01 - EP US); **B65H 33/12** (2013.01 - EP US); **F01L 7/02** (2013.01 - EP US); **B26D 2007/2607** (2013.01 - EP US); **B26F 2001/4418** (2013.01 - EP US); **B31B 50/83** (2017.07 - EP US); **B31B 70/826** (2017.07 - US); **B31B 70/83** (2017.07 - US); **B31B 2120/70** (2017.07 - US); **B31F 1/07** (2013.01 - US); **B41P 2200/22** (2013.01 - US); **B41P 2217/11** (2013.01 - EP US); **B65H 2301/4217** (2013.01 - EP US); **B65H 2301/44735** (2013.01 - EP US); **B65H 2301/4474** (2013.01 - EP US); **B65H 2406/323** (2013.01 - EP US); **B65H 2801/21** (2013.01 - EP US); **B65H 2801/31** (2013.01 - EP US)

C-Set (source: EP US)  
1. **B65H 2301/4474 + B65H 2220/01 + B65H 2220/02**  
2. **B65H 2301/44735 + B65H 2220/01 + B65H 2220/02**

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2017089422 A2 20170601; WO 2017089422 A3 20170921**; CN 108472824 A 20180831; CN 108472824 B 20200218; CN 108472946 A 20180831; CN 108472946 B 20200630; EP 3380282 A2 20181003; EP 3380282 B1 20200226; EP 3380329 A2 20181003; EP 3380329 B1 20190904; ES 2755848 T3 20200423; US 10543674 B2 20200128; US 2018345654 A1 20181206; US 2018354254 A1 20181213; WO 2017089421 A2 20170601; WO 2017089421 A3 20170720

DOCDB simple family (application)  
**EP 2016078592 W 20161123**; CN 201680079650 A 20161123; CN 201680079668 A 20161123; EP 16801437 A 20161123; EP 16801749 A 20161123; EP 2016078591 W 20161123; ES 16801437 T 20161123; US 201615777943 A 20161123; US 201615777944 A 20161123