

Title (en)

FLAT FOIL PRINTING PRESS HAVING FOIL WEB AND SHEET GUIDANCE

Title (de)

FLACHPRÄGEDRUCKMASCHINE MIT FOLIENBAHN- UND BOGENFÜHRUNG

Title (fr)

MACHINE D'IMPRESSION PAR GAUFRAGE AVEC GUIDAGE DE BANDE DE FILM ET DE FEUILLE

Publication

**EP 3227117 A1 20171011 (DE)**

Application

**EP 15807589 A 20151202**

Priority

- CH 18822014 A 20141204
- CH 2015000177 W 20151202

Abstract (en)

[origin: WO2016086325A1] The flat foil printing press has an evacuable back-pressure plate (9), with suction regions (15k) which run in the sheet running direction (X) next to embossing regions (16k), in which foil webs (6k) run. The suction regions are divided into a plurality of suction segments (10i) which follow one another in the sheet running direction and in each case are connected by way of a vacuum feed line (12i) via a vacuum switching element (13i) to a vacuum source (14). When an embossed sheet (5) runs out, first of all all the suction segments (10i) which are covered by the sheet are evacuated, and subsequently the suction segments which are no longer covered by the sheet are switched off one after another from the vacuum source. This results in fault-free separation of foil webs and sheets for higher image quality and machine performance.

IPC 8 full level

**B41F 19/06** (2006.01); **B44B 5/00** (2006.01); **B44B 11/04** (2006.01); **B65H 11/00** (2006.01)

CPC (source: CN EP US)

**B41F 19/02** (2013.01 - US); **B41F 19/06** (2013.01 - CN EP US); **B42D 25/328** (2014.10 - US); **B42D 25/425** (2014.10 - US); **B44B 5/00** (2013.01 - CN); **B44B 5/0019** (2013.01 - CN); **B44B 5/0052** (2013.01 - CN EP US); **B44B 5/0071** (2013.01 - EP US); **B44B 5/008** (2013.01 - CN); **B44B 5/022** (2013.01 - EP US); **B44B 11/04** (2013.01 - CN); **B65H 11/00** (2013.01 - CN)

Citation (search report)

See references of WO 2016086325A1

Cited by

WO2023148250A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2016086325 A1 20160609**; CN 107107608 A 20170829; CN 107107608 B 20190705; EP 3227117 A1 20171011; EP 3227117 B1 20180926; JP 2017536270 A 20171207; JP 6845137 B2 20210317; US 10525763 B2 20200107; US 2017361641 A1 20171221

DOCDB simple family (application)

**CH 2015000177 W 20151202**; CN 201580065609 A 20151202; EP 15807589 A 20151202; JP 2017529677 A 20151202; US 201515527658 A 20151202