

Title (en)  
DEVICE FOR PRINTING ON HOLLOW BODIES

Title (de)  
VORRICHTUNG ZUM BEDRUCKEN VON HOHLKÖRPERN

Title (fr)  
DISPOSITIF D'IMPRESSION DE CORPS CREUX

Publication  
**EP 3743281 A1 20201202 (DE)**

Application  
**EP 19701079 A 20190117**

Priority  
• DE 102018201033 A 20180124  
• EP 2019051124 W 20190117

Abstract (en)  
[origin: WO2019145213A1] The invention relates to a device for printing on hollow bodies (01), comprising a segmented wheel (03) and a system for sequentially supplying the hollow bodies (01) to the periphery of the segmented wheel (03), said system comprising at least a conveyor wheel (76) and a mandrel wheel (02), where first the conveyor wheel (76), then the mandrel wheel (02) and then the segmented wheel (03) are arranged in the transport direction of the hollow bodies (01), where a plurality of driving elements is arranged on the periphery of the conveyor wheel (76), and a plurality of holding elements is arranged on the periphery of the mandrel wheel (02), each holding element receiving a respective hollow body (01) to be printed in cooperation with the segmented wheel (03), and the mandrel wheel (02) and the conveyor wheel (76) each have their own drive (77; 78) which is separate from the drive (58) of the segmented wheel (03).

IPC 8 full level  
**B41F 17/14** (2006.01); **B41F 17/18** (2006.01); **B41F 17/22** (2006.01)

CPC (source: EP US)  
**B41F 13/0045** (2013.01 - US); **B41F 17/22** (2013.01 - EP US); **B41F 27/1206** (2013.01 - EP US)

Citation (search report)  
See references of WO 2019145213A1

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)  
**DE 102018201033 B3 20181031**; CN 111902283 A 20201106; CN 111902283 B 20210803; EP 3743281 A1 20201202;  
EP 3743281 B1 20210915; ES 2902580 T3 20220329; PL 3743281 T3 20220117; US 11400700 B2 20220802; US 2021039381 A1 20210211;  
WO 2019145213 A1 20190801

DOCDB simple family (application)  
**DE 102018201033 A 20180124**; CN 201980006995 A 20190117; EP 19701079 A 20190117; EP 2019051124 W 20190117;  
ES 19701079 T 20190117; PL 19701079 T 20190117; US 201916963857 A 20190117