

Title (en)
PERSONALIZATION DEVICE AND METHOD FOR PERSONALIZING A DOCUMENT

Title (de)
PERSONALISIERUNGSVORRICHTUNG UND VERFAHREN ZUR PERSONALISIERUNG EINES DOKUMENTS

Title (fr)
DISPOSITIF DE PERSONNALISATION ET PROCÉDÉ DE PERSONNALISATION D'UN DOCUMENT

Publication
EP 3291994 B1 20190703 (DE)

Application
EP 16723051 A 20160503

Priority
• DE 102015208297 A 20150505
• EP 2016059856 W 20160503

Abstract (en)
[origin: WO2016177708A1] The invention relates to a personalization device (200) with an optical arrangement (204) and a beam source (202) for generating laser pulses in order to personalize a document (102) by means of a graphic (100). The personalization device (200) further contains an electronic storage means for storing the graphic (100). The graphic (100) includes a plurality of pixels (106). The personalization device (200) is designed to generate the pixels (106) of the graphic (100) on the document (102) by supplying the laser pulses to a photosensitive layer of the document (102). A first sub-quantity of pixels (106) of the plurality of pixels (106) has a first geometric shape. At least one other sub-quantity of pixels (106) of the plurality of pixels (106) has a geometric shape which differs from the first geometric shape. The personalization device (200) is designed to deflect laser pulses generated by the beam source (202) onto the position of a pixel (106) by means of the optical arrangement (204), and the optical arrangement (204) is designed to adapt the transversal intensity profile of the laser pulse to the respective geometric shape of the pixel (106).

IPC 8 full level
B41M 3/14 (2006.01); **B41M 5/26** (2006.01); **B41M 5/30** (2006.01)

CPC (source: EP)
B41M 3/14 (2013.01); **B41M 5/26** (2013.01); **B42D 25/41** (2014.10); **B41M 5/267** (2013.01)

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 2016177708 A1 20161110; DE 102015208297 A1 20161110; EP 3291994 A1 20180314; EP 3291994 B1 20190703

DOCDB simple family (application)
EP 2016059856 W 20160503; DE 102015208297 A 20150505; EP 16723051 A 20160503