

Title (en)

METHOD AND DEVICE FOR PERSONALIZING A DOCUMENT BLANK BY MEANS OF A GRAPHIC

Title (de)

VERFAHREN UND VORRICHTUNG ZUR PERSONALISIERUNG EINES DOKUMENTENROHLINGS MIT EINER GRAFIK

Title (fr)

PROCÉDÉ ET DISPOSITIF DE PERSONNALISATION D'UNE ÉBAUCHE DE DOCUMENT COMPRENANT UN GRAPHISME

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Application

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Abstract (en)

[origin: WO2015193013A1] The invention relates to a method for personalizing a document blank (102) by means of a graphic in order to produce a document using an irradiation device (104), wherein the document blank has a photosensitive layer, wherein at least one optically detectable parameter of the photosensitive layer changes when electromagnetic radiation is applied, wherein the change in the parameter is proportionate to the amount of energy input into the photosensitive layer, wherein the irradiation device provides electromagnetic radiation, wherein the amount of energy in the radiation provided by the irradiation device can be adjusted, comprising the following steps: providing a monochrome starting graphic (202); reducing the brightness values of the monochrome starting graphic to at least two brightness levels in order to obtain a reduced starting graphic; dividing the reduced starting graphic into partial graphics, such that each of the partial graphics has only pixels of the same brightness; completely reproducing each of the individual partial graphics (206, 208, 210, 212) on the document blank by applying electromagnetic radiation to the photosensitive layer; wherein each brightness level is associated with an amount of input energy for the photosensitive layer, and wherein when the partial graphic is reproduced the amount of input energy associated with the brightness level of the partial graphic is applied.

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