Title (en)

METHOD FOR OPERATING A CIJ PRINTER WITH OPTICAL MONITORING OF PRINTING QUALITY, CIJ PRINTER WITH OPTICAL MONITORING OF PRINTING QUALITY AND METHOD FOR TEACHING A CIJ PRINTER WITH OPTICAL MONITORING OF PRINTING QUALITY

Title (de)

VERFAHREN ZUM BETRIEB EINES CIJ-DRUCKERS MIT OPTISCHER ÜBERWACHUNG DER DRUCKQUALITÄT, CIJ-DRUCKER MIT OPTISCHER ÜBERWACHUNG DER DRUCKQUALITÄT UND VERFAHREN ZUM EINLERNEN EINES CIJ-DRUCKERS MIT OPTISCHER ÜBERWACHUNG DER DRUCKQUALITÄT

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UNE IMPRIMANTE JET D'ENCRE CONTINU À SURVEILLANCE OPTIQUE DE LA QUALITÉ D'IMPRESSION, IMPRIMANTE À JET D'ENCRE CONTINU À SURVEILLANCE OPTIQUE DE LA QUALITÉ D'IMPRESSION ET PROCÉDÉ D'APPRENTISSAGE D'UNE IMPRIMANTE À JET D'ENCRE CONTINU À SURVEILLANCE OPTIQUE DE LA QUALITÉ D'IMPRESSION

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Abstract (en)

[origin: WO2020177912A1] The invention relates to a method for operating a CIJ printer with an optical monitoring means (80), having the steps of: generating a bitmap (90, 180) of the printing image to be printed; sequentially actuating charging electrodes (25) and/or deflecting electrodes (30) of the CIJ printer in order to generate dots or groups of dots of the bitmap (90, 190) by applying ink droplets (12) to a substrate (100) to be printed on and thus to apply a real printing image (195) sequentially to the substrate (100); sensing the real printing image (195) applied to the substrate (100) using the optical monitoring means (80); and automatically comparing the bitmap (90, 190) of the desired printing image and the real printing image (195) which has been sensed using the optical monitoring means (80) and has been applied to the substrate (100), wherein the bitmap (90, 190) of the desired printing image and the real printing image (195) applied to the substrate (100) is automatically compared either on the basis of rows or columns of the bitmap (90, 190) or on the basis of constituents of rows or columns of the bitmap (90, 190). The invention also relates to a CIJ printer for carrying out such a method and to a method for training an optical monitoring means (80) of such a CIJ printer.

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