Title (en)

INK-JET PRINTER AND METHOD FOR OPERATING AN INK-JET PRINTER

Title (de)

TINTENSTRAHLDRUCKER SOWIE VERFAHREN ZUM BETRIEB EINES TINTENSTRAHLDRUCKERS

Title (fr)

IMPRIMANTE À JET D'ENCRE ET PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UNE IMPRIMANTE À JET D'ENCRE

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Application

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Abstract (en)

[origin: WO2015097535A2] The invention relates to an ink-jet printer and a method for operating an ink-jet printer. According to the invention, for at least one color, at least two inks of the same color, but with different color intensities are used, i.e. an ink with a bright color intensity Jh and an ink with a dark color intensity Jd, wherein preferably the following applies: Jd = 2X * Jh, where x can be 2, 3, or 4, for example. Thus, the result of the equation 2X is 22 = 4, or 23 = 8, or 24 = 16. Several, namely 0... (2X - 1), drops of ink are printed on top of each other in quick succession onto one pixel, such that 2X brightness steps can be obtained with the darker ink and 2X brightness steps can likewise be obtained with the brighter ink, resulting in a total of 2X * 2X = 22x brightness steps. The individual drops of ink combine or do not separate from each other on their way from the the printer to the printing substrate and produce only a single drop of color per pixel on the printing substrate.

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