

Title (en)
METHOD FOR CHECKING THE QUALITY OF PRINTED PRODUCTS

Title (de)
VERFAHREN ZUM KONTROLLIEREN DER QUALITÄT VON DRUCKPRODUKTEN

Title (fr)
PROCÉDÉ DE VÉRIFICATION DE LA QUALITÉ DE PRODUITS IMPRIMÉS

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Application
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Abstract (en)
[origin: WO2022053195A1] The invention relates to a method for checking the quality of printed products (01) which are produced successively in a specific production process by means of a plurality of printing machines. In this method: on each surface to be printed of each of these printed products (01) at least three printed images (03; 04; 06) are arranged spaced apart from one another with a spacing (A; B; C; D) which is fixed for this printed product (01); these at least three printed images (03; 04; 06) are each printed in printing processes which differ from one another; for checking the quality of the individual printed product (01), two printed images (03; 04; 06) which are printed in printing processes which differ from one another are selected by an inspection system in order to form a printed image pair; the printed image pair is assigned a spacing dimension which is fixed for the spacing (A; B; C; D) of the printed images (03; 04; 06) in said pair; before the start of the specific production process this spacing dimension is provided with a tolerance which is fixed according to the printing process used in the relevant printed image pair; the quality of the printed products (01) produced is checked in such a way that during the specific production process, by means of a computer unit of the inspection system, at least in the case of one sub-set taken from the set of all printed products (01) produced successively in the specific production process, in each case with the same printed image pair, a current value is determined for the particular spacing (A; B; C; D) between the printed images (01) selected for this printed image pair; the computer unit compares the currently determined value of each of the relevant spacings (A; B; C; D) with the spacing dimension fixed for this spacing (A; B; C; D), taking account of the associated tolerance, and a deviation of the currently determined value of each of the relevant spacings (A; B; C; D) from its fixed spacing dimension is determined, taking account of the associated tolerance.

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