

Title (en)

PROCESS FOR CHECKING COLOUR PRINT ORIGINAL COPIES AND DEVICE FOR CARRYING OUT THIS PROCESS

Title (de)

VERFAHREN ZUR PRÜFUNG VON FARBDRUCKVORLAGEN UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE DE VERIFICATION DE DESSINS-MODELES IMPRIMES EN COULEUR ET DISPOSITIF DE MISE EN UVRE DUDIT PROCEDE

Publication

EP 0817955 A1 19980114 (DE)

Application

EP 96908006 A 19960326

Priority

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Abstract (en)

[origin: DE19511782A1] The invention concerns a process for checking colour print original copies for correctness and/or accuracy of colouring, alignment, printed image arrangement and the like in the high-speed on-line production of packaging, labelling and comparable mass products. A plurality of production steps are to be performed on different mechanical units whose sequences are controlled by predetermined codes. A plurality of sequentially controlled semiconductor radiation sources (1) of different spectral regions are used. The reflected portion of the radiation focused on the codes of the test sample controls subsequent processing operations via a computer-controlled electronic evaluation system. The semiconductor radiation sources are disposed in a linear and/or monoplanar manner and are controlled sequentially and in a pulsed manner according to their spectral region. The portion of radiation returned by the test sample is projected in the correct position via a receiver lens system onto a CCD receiver and the intensity patterns supplied by the CCD receiver are evaluated by an evaluation system.

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