

Title (en)

Method for the determination of area coincidence of a master, in particular a printing plate, as well as a device for carrying out the method.

Title (de)

Verfahren zur Ermittlung der Flächendeckung einer Vorlage, insbesondere einer Druckplatte, sowie Vorrichtung zur Durchführung des Verfahrens.

Title (fr)

Procédé de détermination du recouvrement de la surface d'un modèle, particulièrement une plaque, et dispositif pour exécuter ce procédé.

Publication

**EP 0505769 B1 19941207 (DE)**

Application

**EP 92103605 A 19920303**

Priority

DE 4109744 A 19910325

Abstract (en)

[origin: EP0505769A1] The invention relates to a method and a device for the determination of area coincidence of a master to be printed, in particular a printing forme of a printing machine, preferably an offset printing machine, wherein the local remission of a measurement area recorded is determined by optical scanning of the master and the master has an inhomogeneity which is independent of the area coincidence, dependent on the location and influences the measurement result of the scanning. To reduce measurement errors, provision is made for the printing areas to have a different colour (colour difference) in relation to the non-printing areas of the master, for at least two remission values, which differ from one another in spectral terms in accordance with the colour difference, to be determined by each measurement area (12), and for the two remission values to be evaluated to separate a proportion of the measurement result influenced by the area coincidence (fD) from a proportion of the measurement result influenced by the inhomogeneity ( gamma ). <IMAGE>

IPC 1-7

**B41F 33/00**

IPC 8 full level

**B41F 31/02** (2006.01); **B41F 33/00** (2006.01); **B41F 33/14** (2006.01); **G01J 3/50** (2006.01)

CPC (source: EP US)

**B41F 33/0027** (2013.01 - EP US)

Cited by

EP0671264A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

**EP 0505769 A1 19920930**; **EP 0505769 B1 19941207**; AT E115048 T1 19941215; CA 2062457 A1 19920926; CA 2062457 C 19960827; CN 1057252 C 20001011; CN 1065241 A 19921014; DE 4109744 A1 19921001; DE 4109744 C2 19940120; DE 59200881 D1 19950119; JP 2918386 B2 19990712; JP H05177821 A 19930720; US 5724143 A 19980303

DOCDB simple family (application)

**EP 92103605 A 19920303**; AT 92103605 T 19920303; CA 2062457 A 19920306; CN 92101968 A 19920325; DE 4109744 A 19910325; DE 59200881 T 19920303; JP 9605292 A 19920324; US 85733292 A 19920325