

Title (en)

METHOD AND ARRANGEMENT FOR REGISTERING COLORS FOR A PRINTING MACHINE

Title (de)

VERFAHREN UND ANORDNUNG ZUR REGISTRIERUNG VON FARBEN FÜR EINE DRUCKMASCHINE

Title (fr)

PROCEDE ET AGENCEMENT DE MISE EN REGISTRE DES COULEURS POUR UNE MACHINE D'IMPRESSION

Publication

EP 2619012 B1 20140820 (FR)

Application

EP 11758409 A 20110920

Priority

- EP 10010002 A 20100921
- EP 2011004711 W 20110920
- EP 11758409 A 20110920

Abstract (en)

[origin: WO2012038069A1] The invention relates to a method for registering at least two colors for a machine for printing on plate elements (1), provided with at least two printer groups (4, 6, 7, 8, 9), wherein said method comprises the steps of: printing, on a first plate element (13), a first mark (29) with a first color using the first printer group (4), printing a second mark (32) spaced apart from the first mark (29) with the first color and using the first printer group (4), printing a third mark (35) with a second color using a second printer group (6), wherein a theoretical position between the first and third marks (29, 35) is known, and printing a fourth mark (36) spaced apart from the third mark (35) with the second color and using the second printer group (6), wherein a theoretical position between the second and fourth marks (32, 36) is known; detecting the first and third marks (29, 35) and the second and fourth marks (32, 36), determining the deviations in the positions between the first and third marks (29, 35) and comparing the deviations with the theoretical position between the first and third marks (29, 35), as well as determining the deviations in the positions between the second and fourth marks (32, 36) and comparing the deviations with the theoretical position between the second and fourth marks (32, 36), and generating an adjustment signal for the second printer group (6) in accordance with the determined deviations in order to register the second color relative to the first color.

IPC 8 full level

B41F 27/00 (2006.01); **B41F 33/00** (2006.01)

CPC (source: EP KR US)

B41F 9/021 (2013.01 - EP US); **B41F 13/14** (2013.01 - EP US); **B41F 13/16** (2013.01 - EP US); **B41F 27/00** (2013.01 - KR); **B41F 27/005** (2013.01 - EP US); **B41F 33/00** (2013.01 - KR); **B41F 33/0036** (2013.01 - EP US); **B41F 33/0081** (2013.01 - EP US); **B41P 2213/91** (2013.01 - EP US); **B41P 2233/52** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012038069 A1 20120329; BR 112013008668 A2 20171024; BR 112013008668 B1 20201201; CN 103108753 A 20130515; CN 103108753 B 20160316; EP 2619012 A1 20130731; EP 2619012 B1 20140820; ES 2507717 T3 20141015; JP 2013537860 A 20131007; KR 101522114 B1 20150520; KR 20130047759 A 20130508; RU 2013118317 A 20141027; RU 2546443 C2 20150410; TW 201219230 A 20120516; TW I500517 B 20150921; US 2013145946 A1 20130613

DOCDB simple family (application)

EP 2011004711 W 20110920; BR 112013008668 A 20110920; CN 201180045152 A 20110920; EP 11758409 A 20110920; ES 11758409 T 20110920; JP 2013529572 A 20110920; KR 20137007044 A 20110920; RU 2013118317 A 20110920; TW 100133894 A 20110921; US 201113816836 A 20110920