

Title (en)

PRINTING METHOD AND DEVICE USING ENERGY-CURABLE INKS FOR A FLEXOGRAPHIC PRINTER

Title (de)

DRUCKVERFAHREN UND VORRICHTUNG FÜR EINEN FLEXODRUCKER , DIE ENERGIEHÄRTBARE TINTEN VERWENDEN

Title (fr)

DISPOSITIF ET PROCEDE D'IMPRESSION UTILISANT DES ENCRE DURCISSABLES PAR ENERGIE POUR IMPRIMANTE FLEXOGRAPHIQUE

Publication

EP 1932669 A1 20080618 (EN)

Application

EP 06764351 A 20060526

Priority

- ES 2006000298 W 20060526
- ES 200501516 A 20050622

Abstract (en)

The invention relates to a device and printing method using energy-curable inks for a flexographic printer. The device comprises printing units (21) to wet-on-wet print energy-curable inks on a substrate (23), and at least one energy emission unit (22) for curing the inks printed on the substrate (23) downstream of said printing units (21). Each printing unit (21) comprises an ink application chamber (13) for applying ink to an inking roller (11) arranged for inking a printing roller (12). For each printing unit (21) there are means for periodically adjusting the ink to predetermined values of viscosity, evaporability and temperature, means for supplying ink to the chamber (13), and auxiliary means associated to the chamber (13) for contributing to remove ink remaining in surface pits of the inking roller (11) and to filling them with fresh ink.

IPC 8 full level

B41F 31/00 (2006.01); **B41F 5/24** (2006.01); **B41F 31/02** (2006.01); **B41F 31/04** (2006.01)

CPC (source: EP ES)

B41F 31/002 (2013.01 - EP); **B41F 31/005** (2013.01 - EP ES); **B41F 31/027** (2013.01 - EP ES); **B41P 2200/12** (2013.01 - EP)

Cited by

WO2011018536A1; BE1027758B1; EP2985150A1; EP2842746A4; ES2371606A1; GB2495733A; EP2465680A4; EP2620285A1; US9327489B2; US9233531B2; US9346260B2; US9731499B2; US11602910B2; WO2011020022A1; WO2015112276A1; WO2013164133A1; WO2020240442A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1932669 A1 20080618; **EP 1932669 A4 20111214**; **EP 1932669 B1 20121121**; ES 2264643 A1 20070101; ES 2264643 B1 20071001; ES 2399415 T3 20130401; WO 2006136628 A1 20061228

DOCDB simple family (application)

EP 06764351 A 20060526; ES 06764351 T 20060526; ES 200501516 A 20050622; ES 2006000298 W 20060526