

Title (en)

METHOD AND DEVICE FOR PRINTING DECORATIVE ELEMENTS ON SUBSTRATES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM DRUCKEN DEKORATIVER ELEMENTE AUF SUBSTRATE

Title (fr)

PROCEDE ET DISPOSITIF D'IMPRESSION DE DECORS SUR DES SUBSTRATS

Publication

EP 1755893 B1 20071114 (FR)

Application

EP 05776426 A 20050602

Priority

- FR 2005050406 W 20050602
- FR 0406139 A 20040604

Abstract (en)

[origin: WO2005123389A1] The invention relates to a method for printing decorative elements, especially on substrates with variable dimensions, especially glass, according to which paint is applied with a rotating screened stencil (3) in the form of a hollow cylinder (4) which presses and rolls against the substrate (2) to be printed. According to the invention, the axial length of the stencil is higher than the maximum width of the substrates to be printed, the entire length of the stencil is supplied with paint, and recovery means (R) are provided upstream of the printing region (I) in order to collect the paint which has not been transferred onto the substrate. The recovery means comprise pneumatic extraction means (8) arranged in the vicinity of the hollow cylinder (4), and means (10) for collecting the extracted paint.

IPC 8 full level

B41F 15/08 (2006.01); **B05D 1/32** (2006.01); **B05D 7/00** (2006.01); **B41F 15/12** (2006.01); **B41M 1/12** (2006.01); **B44C 1/00** (2006.01)

CPC (source: EP)

B41F 15/0809 (2013.01)

Cited by

US10414186B2; US9757937B2; WO2014012700A1; WO2017106098A1; US10773275B2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2871099 A1 20051209; FR 2871099 B1 20071026; AT E378176 T1 20071115; DE 602005003357 D1 20071227; DE 602005003357 T2 20081002; EP 1755893 A1 20070228; EP 1755893 B1 20071114; ES 2297752 T3 20080501; PL 1755893 T3 20080430; PT 1755893 E 20080225; WO 2005123389 A1 20051229

DOCDB simple family (application)

FR 0406139 A 20040604; AT 05776426 T 20050602; DE 602005003357 T 20050602; EP 05776426 A 20050602; ES 05776426 T 20050602; FR 2005050406 W 20050602; PL 05776426 T 20050602; PT 05776426 T 20050602