

Title (en)

Process and device for structuring a surface into hydrophilic and hydrophobic regions

Title (de)

Verfahren und Vorrichtung zur Strukturierung einer Oberfläche in hydrophile und hydrophobe Bereiche

Title (fr)

Méthode et dispositif de structuration d'une surface en zones hydrophiles et hydrophobes

Publication

EP 1279518 B1 20061011 (DE)

Application

EP 02014819 A 20020703

Priority

DE 10136068 A 20010725

Abstract (en)

[origin: EP1279518A2] A process for structuring a surface (10) with at least one layer (12) having a polymer, and hydrophobic and hydrophilic regions, obtained (sic) by production of a latent structure in the first layer (12) via a coordinated (sic) modification device (16), with addition of a gaseous volatile solvent as modification agent over at least one working time interval to a local limited region of surface (10). <??>A process for structuring a surface (10) with at least one layer (12) having a polymer, and hydrophobic and hydrophilic regions, obtained (sic) by production of a latent structure in the first layer (12) via a coordinated (sic) modification device (16), for production of a type-form (10) for offset printing, with selective addition of a gaseous volatile solvent as modification agent over at least one working time interval to a local limited region of surface (10). <??>Independent claims are included for: <??>(1) A device for structuring the surface (12) as described above; <??>(2) A type-form illuminator having at least one structuring device; <??>(3) Printing equipment having at least one structuring device; <??>(4) A printing machine.

IPC 8 full level

B41M 5/36 (2006.01); **G03F 7/004** (2006.01); **B41C 1/10** (2006.01); **B41N 1/14** (2006.01); **G03F 7/00** (2006.01); **G03F 7/38** (2006.01)

CPC (source: EP)

B41C 1/1008 (2013.01); **B41C 1/1016** (2013.01); **B41C 1/1075** (2013.01); **B41C 1/1083** (2013.01); **B41C 2210/04** (2013.01); **B41C 2210/24** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1279518 A2 20030129; **EP 1279518 A3 20031105**; **EP 1279518 B1 20061011**; AT E342173 T1 20061115; CA 2386593 A1 20030125; CN 1289317 C 20061213; CN 1398726 A 20030226; CZ 20021720 A3 20030312; DE 10136068 A1 20030213; DE 50208385 D1 20061123; HK 1053447 A1 20031024; IL 150859 A0 20030212; IL 150859 A 20050925; JP 2003107691 A 20030409; JP 4280471 B2 20090617

DOCDB simple family (application)

EP 02014819 A 20020703; AT 02014819 T 20020703; CA 2386593 A 20020515; CN 02121669 A 20020531; CZ 20021720 A 20020517; DE 10136068 A 20010725; DE 50208385 T 20020703; HK 03105744 A 20030812; IL 15085902 A 20020722; JP 2002213634 A 20020723