

Title (en)

Dampening Fluid for Digital Lithographic Printing

Title (de)

Dämpfungsflüssigkeit für digitalen Lithographiedruck

Title (fr)

Fluide de mouillage pour l'impression lithographique digitale

Publication

EP 2586622 A3 20130529 (EN)

Application

EP 12190034 A 20121025

Priority

US 201113284114 A 20111028

Abstract (en)

[origin: EP2586622A2] Different solvents for a dampening fluid are disclosed. The solvent is a volatile hydrofluoroether liquid or a volatile silicone liquid. Such liquids have a lower heat of vaporization, a lower surface tension, and better kinematic viscosity compared to water, which is the conventional solvent used in dampening fluids. The dampening fluids, which are relatively nonpolar, can be used in a combination with polar inks to form a new type of digital lithographic printing system.

IPC 8 full level

B41M 1/06 (2006.01); **B41N 3/08** (2006.01)

CPC (source: EP US)

B41M 1/06 (2013.01 - EP US); **B41N 3/08** (2013.01 - EP US)

Citation (search report)

- [X] US 2008299487 A1 20081204 - CHANG CHING-YU [TW]
- [XP] EP 2447065 A1 20120502 - PALO ALTO RES CT INC [US]
- [XP] EP 2450190 A1 20120509 - PALO ALTO RES CT INC [US]

Cited by

EP2703179A3; US8919252B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2586622 A2 20130501; **EP 2586622 A3 20130529**; **EP 2586622 B1 20140917**; JP 2013095137 A 20130520; JP 6147485 B2 20170614

DOCDB simple family (application)

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