

Title (en)

METHOD FOR PRINTING ON A RECORDING MEDIUM USING A LIQUID DEVELOPER FIXED BY CROSS-LINKING

Title (de)

VERFAHREN ZUM BEDRUCKEN EINES AUFZEICHNUNGSTRÄGERS UNTER VERWENDUNG EINES DURCH VERNETZUNG FIXIERTEN FLÜSSIGENTWICKLERS

Title (fr)

PROCEDE D'IMPRESSION SUR UN SUPPORT D'IMPRESSION A L'AIDE D'UN DEVELOPPEUR LIQUIDE FIXE PAR RETICULATION

Publication

**EP 1728124 A2 20061206 (DE)**

Application

**EP 05715520 A 20050224**

Priority

- EP 2005001963 W 20050224
- DE 102004009986 A 20040301

Abstract (en)

[origin: DE102004009986B3] Method for printing a recording carrier. Method for printing a recording carrier comprises: (A) generating, on a potential image carrier (101), a potential image (PI) of the image being printed; (B) developing PI to an image film (of image and non-image regions), by applying a liquid developer made of polymerizable silicone oil-based carrier fluid containing suspended pigment particles, on to (101); (C) transfer of the image film to the recording carrier; and (D) crosslinking the fluid carrier to fix it, so that pigment particles in the image regions become embedded in a solid polymer matrix and the fluid itself is solidified to a transparent film that binds firmly to the recording carrier. An independent claim is also included for an electrographic printing or copying device in which an image film, transferred to a recording carrier, is fixed by the new method.

IPC 8 full level

**G03G 9/125** (2006.01); **G03G 13/20** (2006.01)

CPC (source: EP US)

**G03G 9/125** (2013.01 - EP US); **G03G 13/20** (2013.01 - EP US)

Citation (search report)

See references of WO 2005083526A2

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

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**DE 102004009986 B3 20050818**; AU 2005217729 A1 20050909; AU 2005217729 B2 20100422; CA 2557025 A1 20050909; CN 1985219 A 20070620; CN 1985219 B 20110907; EP 1728124 A2 20061206; JP 2007525717 A 20070906; JP 4653802 B2 20110316; US 2008226322 A1 20080918; US 2011256478 A1 20111020; US 8931412 B2 20150113; WO 2005083526 A2 20050909; WO 2005083526 A3 20061221

DOCDB simple family (application)

**DE 102004009986 A 20040301**; AU 2005217729 A 20050224; CA 2557025 A 20050224; CN 200580006612 A 20050224; EP 05715520 A 20050224; EP 2005001963 W 20050224; JP 2007501177 A 20050224; US 201113150369 A 20110601; US 58968305 A 20050224