



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C09D 11/02, 11/10	A1	(11) International Publication Number: WO 00/32705 (43) International Publication Date: 8 June 2000 (08.06.00)
(21) International Application Number: PCT/US99/28173 (22) International Filing Date: 29 November 1999 (29.11.99) (30) Priority Data: 09/201,411 30 November 1998 (30.11.98) US (63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application US 09/201,411 (CON) Filed on 30 November 1998 (30.11.98) (71) Applicant (for all designated States except US): FLINT INK CORPORATION [US/US]; 4600 Arrowhead Drive, Ann Arbor, MI 48105-2773 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): KINGMAN, Kevin, P. [US/US]; 2655 Lakeridge, Wixom, MI 48393 (US). BA-LYO, Rick, A. [US/US]; 145 Orchard Street, Chelsea, MI 48118 (US). OBERSKI, Michael, V. [US/US]; 2979 Verle, Ann Arbor, MI 48108 (US).		(74) Agents: BUDDE, Anna, M. et al.; Harness, Dickey & Pierce, PLC, Suite 400, 5445 Corporate Drive, Troy, MI 48098-2683 (US). (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, HE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: LITHOGRAPHIC PRINTING INKS COMPRISING ACID-FUNCTIONAL VINYL POLYMER AND POLYOL PHASE		
(57) Abstract The present invention provides single fluid lithographic printing inks that include a continuous phase and a discontinuous polyol phase. The continuous phase includes an acid-functional vinyl resin. The polyol phase includes a liquid polyethylene glycol material. The invention further provides a method of making a single fluid ink composition and a process of printing using the single fluid ink of the invention with improved resistance to toning.		