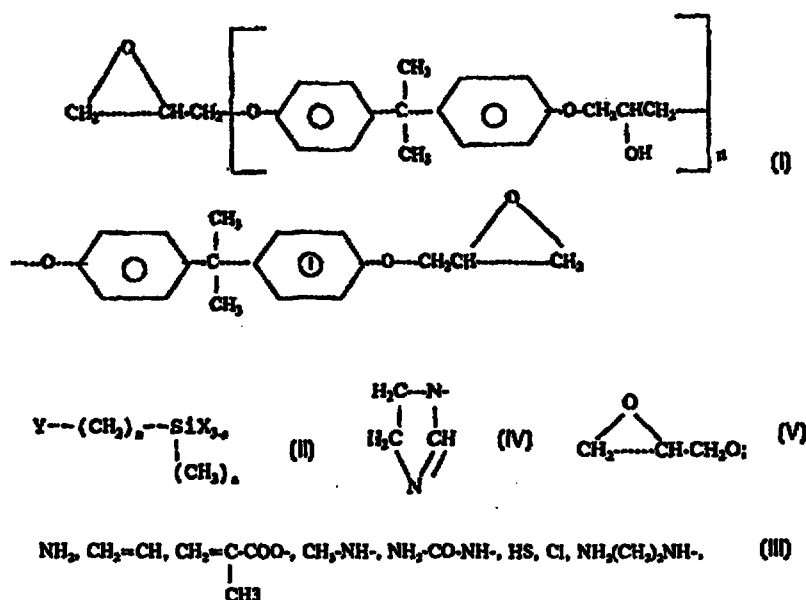




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B41M 3/12, B44C 1/14, B65D 23/08, C03C 17/30, 17/34, C08F 2/48, C08J 7/04, C08K 5/06, C08L 63/02, C09D 11/10	A1	(11) International Publication Number: WO 97/32732 (43) International Publication Date: 12 September 1997 (12.09.97)
(21) International Application Number: PCT/US97/03400 (22) International Filing Date: 5 March 1997 (05.03.97) (30) Priority Data: 08/612,696 8 March 1996 (08.03.96) US (71) Applicant: REVLON CONSUMER PRODUCTS CORPORATION [US/US]; 625 Madison Avenue, New York, NY 10022 (US). (72) Inventors: KAMEN, Melvin, E.; 160 Portland Road, Highlands, NJ 07732 (US). HU, Ming; 406 Keswick Lane, Piscataway, NJ 08854 (US). (74) Agents: FLINTOFT, Gerald, J. et al.; Pennie & Edmonds L.L.P., 1155 Avenue of the Americas, New York, NY 10036 (US).	(81) Designated States: AU, BR, CA, CN, IL, JP, KR, MK, NO, NZ, <u>SG</u>, TT, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report. With amended claims.	

(54) Title: GLASS DECORATING METHOD USING BIS PHENOL A EPOXY RESINS AND RELATED COMPOSITIONS AND ARTICLES



(57) Abstract

A radiation curable ink composition comprising, by weight of the total composition: 30-95 % of a bis phenol-A epoxy resin of formula (I), wherein $n = 0-20$, 0.1-25 % of an organofunctional silane of formula (II), wherein $n = 0-3$, $a = 0-2$, $Y =$ formula (III), (IV), or (V); X is each independently CH_3 , Cl , OCOCH_3 , $\text{OC}_2\text{H}_4\text{OCH}_3$, $\text{V}(\text{OC}_2\text{H}_4)_2\text{OCH}_3$, or $-\text{OR}$, where R is a C_{1-20} straight or branched chain alkyl, preferably OCH_3 or OCH_2CH_3 ; 0.1-25 % of a cationic photoinitiator, and 0.05-20 % of a fluorinated surfactant; and related methods and decorated end products.