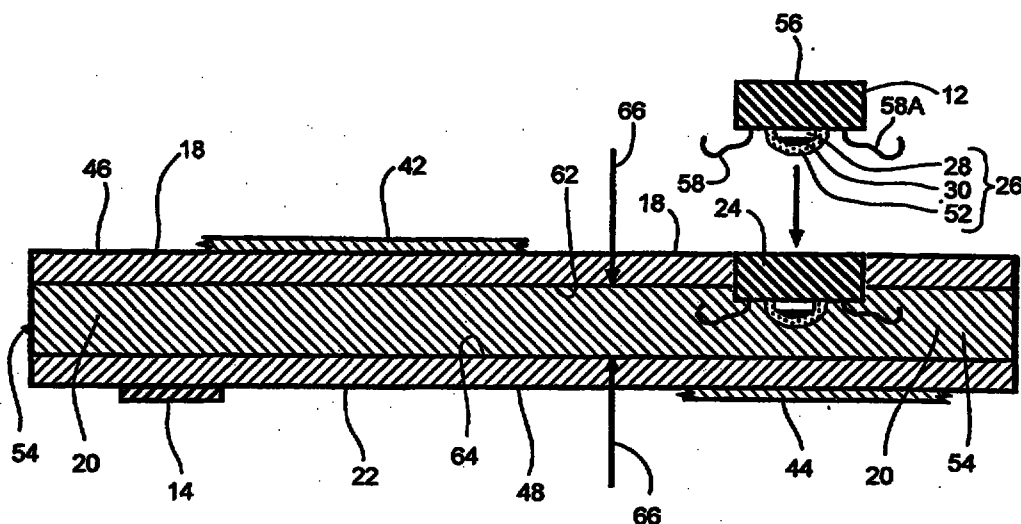




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B29C 45/14, 70/70, 70/84, H01L 23/31, 31/0216, 31/0203	A1	(11) International Publication Number: WO 99/47331 (43) International Publication Date: 23 September 1999 (23.09.99)
(21) International Application Number: PCT/US99/05718 (22) International Filing Date: 16 March 1999 (16.03.99) (30) Priority Data: 60/078,255 17 March 1998 (17.03.98) US (71) Applicant: CARDXX, INC. [US/US]; 701 Automation Drive, Windsor, CO 80550 (US). (72) Inventor: TIFFANY, Harry, J., III; 14247 County Road X, Weldona, CO 80853 (US). (74) Agents: CARSON, W., Scott et al.; Dorr, Carson, Sloan & Bimey, P.C., 3010 E. 6th Avenue, Denver, CO 80206 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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>

(54) Title: METHOD FOR MAKING TAMPER-PREVENTING, CONTACT-TYPE, SMART CARDS

**(57) Abstract**

Smart cards (10) having high quality external surfaces (46, 48) can be made through use of a primer/adhesive (52) (and, optionally, anchor hooks (58, 58A)) on the lower surface of an electrical component (12, 30) in order to affix the electrical component (12, 30) to a thermosetting material (54) that becomes the core layer (20) of the cards (10).