



PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : H01L 23/498		A2	(11) International Publication Number: WO 00/31797
			(43) International Publication Date: 2 June 2000 (02.06.00)
(21) International Application Number: PCT/IL99/00633 (22) International Filing Date: 25 November 1999 (25.11.99) (30) Priority Data: 127256 25 November 1998 (25.11.98) IL (71) Applicant (for all designated States except US): MICRO COMPONENTS LTD. [IL/IL]; 20179 D.N. Misgav (IL). (72) Inventors; and (75) Inventors/Applicants (for US only): NEFTIN, Shimon [IL/IL]; Eshkol Street 813/20, 10200 Kiryat Shmona (IL). MIRSKY, Uri [IL/IL]; Hagalil Street 13, 36001 Nofit (IL). (74) Agent: REINHOLD COHN AND PARTNERS; P.O.B. 4060, 61040 Tel Aviv (IL).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, 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, 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 Without international search report and to be republished upon receipt of that report.	
 *162162*		 *G00002*	

(54) Title: DEVICE FOR ELECTRONIC PACKAGING, PIN JIG FIXTURE

(57) Abstract

A device (1, 21, 28, 36, 37, 86, 103, 121, 128) for electronic packaging, the device including a discrete solid body having a pair of opposing generally parallel major surfaces, the solid body having a body portion of a porous valve metal oxide based material with a pair of exterior surfaces respectively constituting portions of the major surfaces and extending inward from one major surface towards the other major surface, the body portion having one or more electrically insulated valve metal conductive traces of from about 10 μm to about 400 μm thickness in a direction from one major surface to the other major surface embedded therein, one or more of said traces having a trace portion divergingly extending inward from an exterior surface constituting a portion of one of said major surfaces. A pin jig fixture (221, 232) for use with an electrical power source for porous anodization of a valve metal blank having a surface, the pin jig fixture comprising a bed of pins each having a leading end surface for intimate juxtaposition against the surface for masking a corresponding area thereof, one or more of said leading end surfaces being directly connected to the electrical power source for electrically connecting the electrical power source to the surface on intimate juxtaposition thereagainst.

