



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B05D 5/12, H01G 4/005, 4/008, 4/228, 2/20, 4/06, 4/10, 7/00, H04R 17/00	A1	(11) International Publication Number: WO 99/26731 (43) International Publication Date: 3 June 1999 (03.06.99)
(21) International Application Number: PCT/US98/25060 (22) International Filing Date: 23 November 1998 (23.11.98) (30) Priority Data: 60/066,505 24 November 1997 (24.11.97) US (71) Applicant: AVX CORPORATION [US/US]; 801 17th Avenue South, Myrtle Beach, SC 29578 (US). (72) Inventor: RETSEPTOR, Gennady; Sderot Ha-Dekel 3102/15, 99510 Bet Shemesh (IL). (74) Agents: KILLEN, Craig, N. et al.; Dority & Manning, P.A., P.O. Box 1449, Greenville, SC 29602-1449 (US).		(81) Designated States: 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, 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, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, 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: IMPROVED MINIATURE SURFACE MOUNT CAPACITOR AND METHOD OF MAKING SAME (57) Abstract Surface mount capacitors (10) are made having ultra-small dimensions of length, width and height. For example, capacitor of 0402 size and smaller may be produced having lower height than has been achieved in the prior art. The components have L-shaped terminations (16, 18) on respective ends thereof, providing bottom lands (28, 30) for mounting to a circuit board. At most, the component will have top lands (32, 24) of negligible size to provide a large gap width between the terminations across the top surface of the component. In some embodiments, the top surface may also include orientation indicia located thereon. The invention also provides improved methodology for terminating a capacitor or other surface mount component.		