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(21) International Application Number: PCT/US97/00808 (22) International Filing Date: 3 January 1997 (03.01.97) (30) Priority Data: 60/009,666 5 January 1996 (05.01.96) US (71) Applicant (for all designated States except US): TDK CORPORATION OF AMERICA [US/US]; 1600 Feehanville Drive, Mount Prospect, IL 60056 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): SOOY, Robert, J. [US/US]; 6 Thomas Circle, Marblehead, MA 01945 (US). JACKSON, Rodney, Peter [US/US]; 16 Calef Road, Auburn, NH 03032 (US). (74) Agents: SULLIVAN, Robert, C. et al.; Darby & Darby P.C., 805 Third Avenue, New York, NY 10022 (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, GE, HU, 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, <u>SG</u> , SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>
(54) Title: ELECTRONIC COMPONENT INSERTION APPARATUS (57) Abstract An insertion machine of the type used to form and insert the lead-wires of an electronic component into openings of a printed circuit board. The insertion machine comprising a frame and ahead assembly. The head assembly receives an electronic component and includes means for forming the lead-wires into a predetermined shape and means for inserting the lead-wires into the openings of the printed circuit board. A clinching assembly is positioned below the head assembly and includes means for trimming the lead-wires and means for clinching the lead-wires. A work-support table for holding the printed circuit board is rotatable about a vertical axis and is positioned between the clinching assembly and the head assembly.		