



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : H01R 12/22, G06K 7/00, H05K 7/10	A1	(11) International Publication Number: WO 00/54372 (43) International Publication Date: 14 September 2000 (14.09.00)
(21) International Application Number: PCT/IB00/00427 (22) International Filing Date: 2 March 2000 (02.03.00) (30) Priority Data: 11/60479 8 March 1999 (08.03.99) JP (71) Applicant (for all designated States except US): THE WHITAKER CORPORATION [US/US]; Suite 450, 4550 New Linden Hill Road, Wilmington, DE 19808 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): YUZAWA, Fumio [JP/JP]; 1-18-45-2, Hanakoganeiminamicho, Kodaira, Tokyo 187-0003 (JP). (74) Agents: KAPALKA, Robert, J. et al.; The Whitaker Corpora- tion, 4550 New Linden Hill Road, Suite 450, Wilmington, DE 19808 (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, 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, 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 <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>

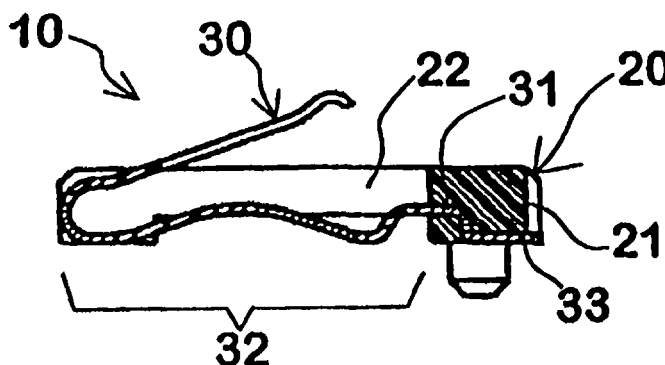


G00001

(54) Title: BOARD-MOUNTED CONNECTOR**(57) Abstract**

A board-mountable electrical connector (10, 110) comprises a housing (20, 120) which holds a plurality of contacts (30, 120) in a row. Each of the contacts includes a supporting part (31, 131) that is secured to the housing, a connecting part (33, 133) disposed at one end of the supporting part for connection with a circuit board, and a contact part (32, 132) disposed at an opposite end of the supporting part for electrical contact with a mating body. The contact part extends from

the supporting part with successive portions including, first, a downward-facing projection (51) adjacent to the supporting part, a projecting shape (56) extending upward to an apex (56a) and then downward to a bent part (52) at a forward end of the contact part, and an arm part (53) extending upwardly and rearwardly from the bent part to a pair of contact projections (54) which can make electrical connection with the mating body. The contact projections (54) are disposed rearwardly of the apex (56a) of the projecting shape.



162162