



162162

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/079249 A3

(51) International Patent Classification⁷: **H01R 4/66**

(21) International Application Number:
PCT/US2005/004016

(22) International Filing Date:
11 February 2005 (11.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/544,309 17 February 2004 (17.02.2004) US

(71) Applicant (for all designated States except US): PEM
MANAGEMENT, INC. [US/US]; 300 Delaware Avenue,
Suite 1225, Wilmington, DE 19801 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BRUNO, David, J.
[US/US]; 4088 Gregory Drive, Doylestown, PA 18901
(US).

(74) Agents: GORE, Gregory, J. et al.; 70 West Oakland Av-
enue, Suite 316, Doylestown, PA 18901 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

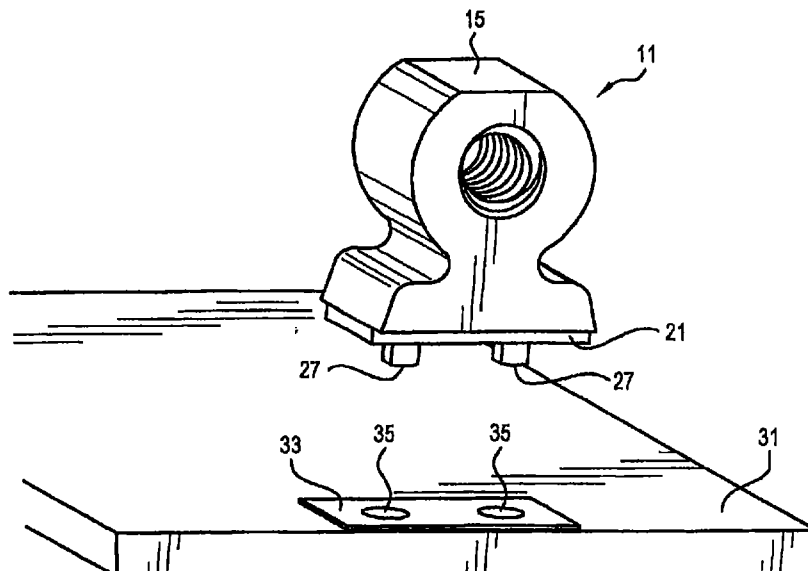
Published:

— with international search report

(88) Date of publication of the international search report:
4 May 2006

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: CIRCUIT BOARD MOUNTING BRACKET



(57) Abstract: A pick-and-place type circuit board mounting bracket is surface-mounted, or alternatively, soldered with reinforcing posts that occupy one or more throughholes in the circuit board. The mounting face of the bracket is offset with respect to its mounting base to allow the face of the bracket to be sub-flush, flush, or extend beyond the edge of the circuit board. The front surface of the bracket is preferably perpendicular to the bottom surface and a longitudinal threaded bore extends through the main body to provide attachment means for affixing structures to the bracket. The posts which extend downwardly through the circuit board may have at least one planar side surface or a single rectangular post may be employed. The length of the posts is preferably less than the thickness of the circuit board for surface mount applications or long enough to extend through the circuit board for wave soldering.

WO 2005/079249 A3



G00002