

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number
WO 2005/013428 A1

(51) International Patent Classification⁷: **H01R 12/22**,
13/24

(21) International Application Number:
PCT/US2004/023540

(22) International Filing Date: 21 July 2004 (21.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/633,256 1 August 2003 (01.08.2003) US

(71) Applicant (for all designated States except US):
RAYTHEON COMPANY [US/US]; 870 Winter Street,
Waltham, MA 02451-1449 (US).

(72) Inventors: **WINSLOW, David, T.**; 11074 Rhoda Way,
Culver City, CA 90230 (US). **TALLMAN, Colleen**; 7742
Redlands Street, #H1028, Playa Del Rey, CA 90293 (US).

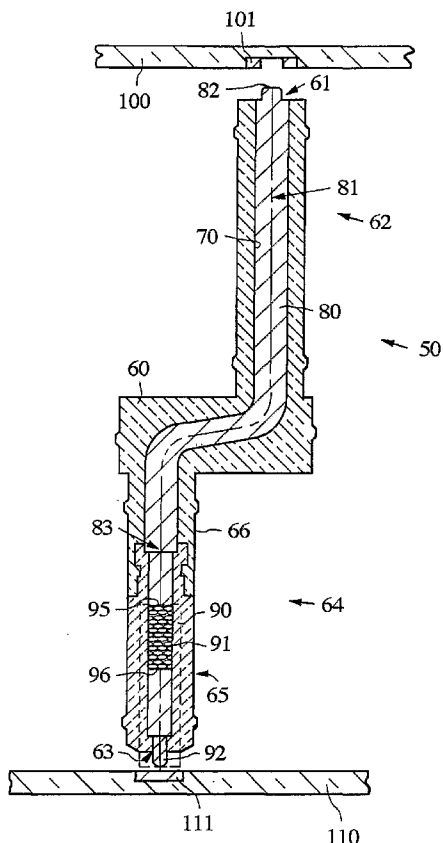
KEESEY, Timothy; 12202 Tunstall Street, Garden Grove,
CA 92845 (US). **TREINEN, James, P.**; 7710 West 80th
Street, Playa Del Rey, CA 90293 (US). **CROCKETT,**
John, A.; 228 No. Siesta Street, Anaheim, CA 92801
(US).

(74) Agents: **ALKOV, Leonard A.** et al.; Raytheon Company,
P.O. Box 902 (E4/N119), El Segundo, CA 90245-0902
(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, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

[Continued on next page]

(54) Title: OFFSET CONNECTOR WITH COMPRESSIBLE CONDUCTOR



(57) Abstract: A connector (50) providing an offset interconnect has a dielectric body (60) with first and second longitudinally opposed and laterally offset portions (62, 64) and an internal cavity (70). An offset electrically conductive path (81) is disposed within the internal cavity (70). The offset electrically conductive path (81) extends from the first portion (62) of the dielectric body (60) to the second portion (64) of the dielectric body (60). A compressible conductor (90) is disposed within the internal cavity (60) in the second portion (64) of the dielectric body (60).



(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, IT, 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).

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

Published:

— *with international search report*