

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 November 2005 (10.11.2005)

PCT

(10) International Publication Number
WO 2005/107275 A1

(51) International Patent Classification⁷: **H04Q 1/14**

(74) Agents: **BURGIN CONTE, Lisa** et al.; Tyco Technology Resources, Suite 140, 4550 New Linden Hill Road, Wilmington, DE 19808 (US).

(21) International Application Number:
PCT/US2005/012321

(22) International Filing Date: 12 April 2005 (12.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/823,937 14 April 2004 (14.04.2004) 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, KM, 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.

(71) Applicant: **TYCO ELECTRONICS CORPORATION** [US/US]; 2901 Fulling Mill Road, Middletown, PA 17057 (US).

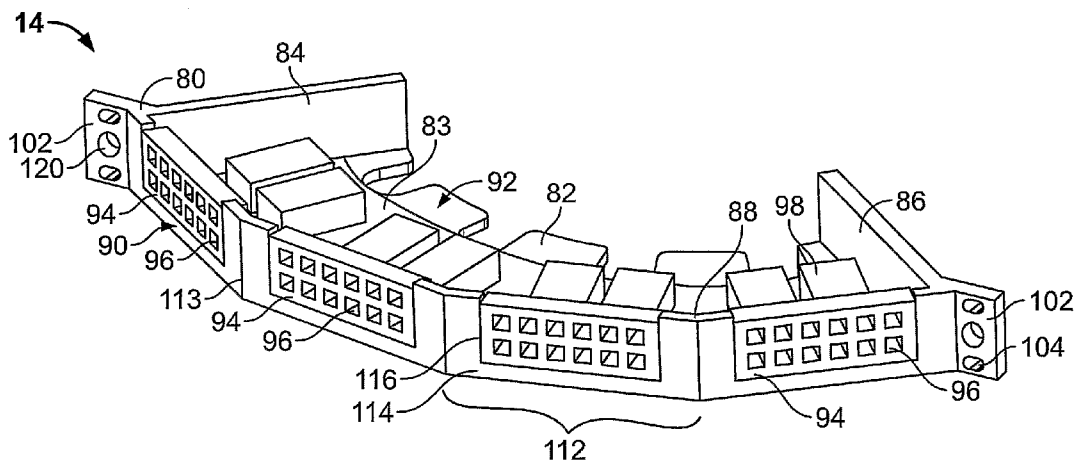
(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, 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).

(72) Inventors: **DENOVICH, Sam**; 2416 Wicklow Drive, Harrisburg, PA 17112 (US). **EBERLE, James, Joseph, Jr.**; 1577 Woodhaven Drive, Hummelstown, PA 17036 (US). **GREEN, Michael, Patrick**; 204 Fairway Drive, Mechanicsburg, PA 17055 (US). **HOFFER, John, Carey**; 507 North 36th Street, Harrisburg, PA 17109 (US).

Published:
— with international search report

[Continued on next page]

(54) Title: TELECOMMUNICATIONS PATCH PANEL WITH ANGLED CONNECTOR MODULES



(57) Abstract: A patch panel system is provided that comprises a frame, a patch panel (14) and connector ports (96). The patch panel is attached to the frame and has first and second connectivity interfaces (90, 92). The first connectivity interface has multiple sections (112) joined to form an N-sided portion of a polygon where N is greater than 2. The connector ports are provided at the first connectivity interface. The sections of the first connectivity interface have planar front surfaces that are oriented at obtuse angles to one another.

WO 2005/107275 A1



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.