

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 November 2005 (17.11.2005)

PCT

(10) International Publication Number
WO 2005/107397 A3

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

(21) International Application Number:
PCT/US2005/014993

(22) International Filing Date: 29 April 2005 (29.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/567,765 3 May 2004 (03.05.2004) US
Not furnished 29 April 2005 (29.04.2005) US

(71) Applicant (for all designated States except US): **PAN-DUIT CORP.** [US/US]; 17301 S. Ridgeland Avenue, Tinley Park, IL 60477 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **NORDIN, Ronald, A.** [US/US]; 1178 Sequoia Road, Naperville, IL 60540 (US). **BOLOURI-SARANSAR, Masud** [US/US]; 15205 Brassie Drive, Orland Park, IL 60462 (US). **DOORHY, Michael, V.** [US/US]; 19368 Newport Drive, Mokena, IL 60448 (US).

(74) Agents: **MCCANN, Robert, A.** et al.; Panduit Corp., 17301 S. Ridgeland Avenue, Tinley Park, IL 60477 (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.

(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).

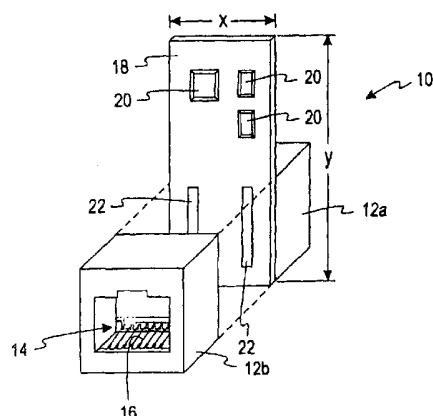
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

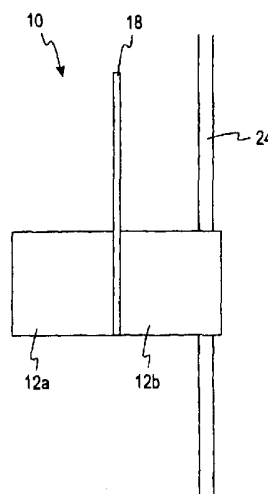
(88) Date of publication of the international search report:
26 January 2006

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.

(54) Title: POWERED PATCH PANEL



a



b

(57) Abstract: A powered communications patch panel is adapted to power network devices connected to the communications patch panel. Power is supplied to the network devices by the powered communications patch panel over the communication cabling. The powered communications patch panel may be provided with a management port to allow remote management of the patch panel via a network connection. Multiple management ports may be provided, allowing patch panels to be connected to one another in a daisy-chain configuration.



WO 2005/107397 A3

INTERNATIONAL SEARCH REPORT

International Application No
IS2005/014993

A. CLASSIFICATION OF SUBJECT MATTER

H04Q1/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/073597 A1 (CAVENEY JACK E ET AL) 15 April 2004 (2004-04-15) abstract paragraphs '0006! - '0013! claims 1-42	1-15
X	"3COM USER GUIDE" 'Online! 23 September 2002 (2002-09-23), XP002297746 Retrieved from the Internet: URL: http://support.3com.com/infodeli/tools/nj/nj200_user_guide_v5.pdf 'retrieved on 2005-12-02! The whole document	1-15
X	US 6 640 308 B1 (KEYGHOBAD SEYAMAK ET AL) 28 October 2003 (2003-10-28) abstract column 6, line 55 - column 7, line 40	8, 10, 11

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

2 December 2005

Date of mailing of the international search report

13/12/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Willems, B

INTERNATIONAL SEARCH REPORT

Information on patent family members

I

International Application No

US2005/014993

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2004073597	A1	15-04-2004	NONE	
US 6640308	B1	28-10-2003	AU 4241300 A	02-11-2000
			EP 1171975 A2	16-01-2002
			WO 0064099 A2	26-10-2000