



(51) International Patent Classification:
H04Q 1/02 (2006.01)

(21) International Application Number:
PCT/US201 3/0501 10

(22) International Filing Date:
11 July 2013 (11.07.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/670,414 11 July 2012 (11.07.2012) US

(71) Applicants (for all designated States except US): **ADC TELECOMMUNICATIONS, INC.** [US/US]; 1050 Westlakes Drive, Berwyn, Pennsylvania 19312 (US). **TYCO ELECTRONICS CORPORATION** [US/US]; 1050 Westlakes Drive, Berwyn, Pennsylvania 19312 (US).

(72) Inventors; and

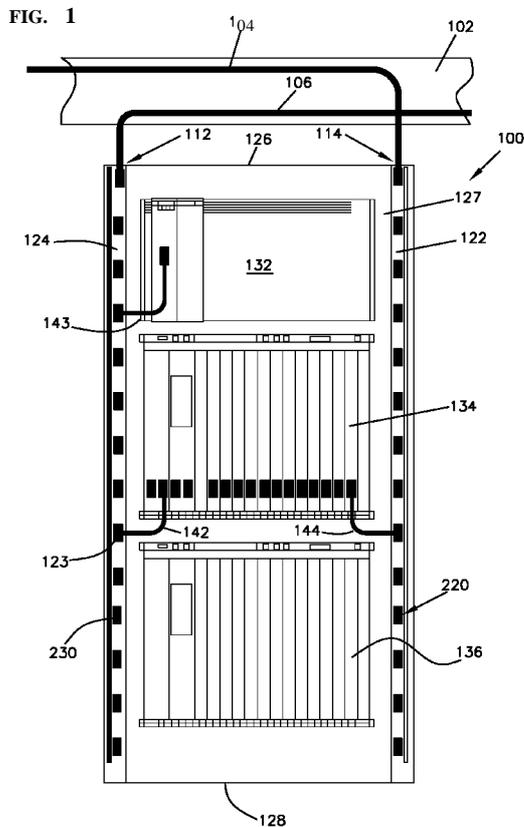
(71) Applicants (for US only): **COFFEY, Joseph, Christopher** [US/US]; 2420 O'Meara Court, Burnsville, MN 55306 (US). **PEPE, Paul, John** [US/US]; 1020 Salem Village LN, Clemmons, NC 27012 (US).

(74) Agent: **BRUESS, Steven, C**; Merchant & Gould P.C., P.O. Box 2903, Minneapolis, MN 55402-0903 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

[Continued on nextpage]

(54) Title: TELECOMMUNICATIONS CABINET MODULARIZATION



(57) Abstract: An example telecommunications cabinet includes: an enclosure including sidewalls extending between a bottom of the enclosure and a top of the enclosure to define an interior of the enclosure; telecommunications equipment disposed within the interior of the enclosure; and a data distribution arrangement disposed on one of the sidewalls within the interior of the enclosure.

WO 2014/011904 A3

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

(88) Date of publication of the international search report:

10 April 2014

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2013/050110**A. CLASSIFICATION OF SUBJECT MATTER****H04Q 1/02(2006.01)i**

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 1/02; H05K 7/20; H02G 3/04; G02B 6/42; G02B 6/12; H05K 5/00; G02B 6/00; H02B 1/20

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: side wall, cable, telecommunication cabinet, optical flexible foil cable, polycarbonate

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2010-0006317 AI (KEVIN L. HRUBY et al.) 14 January 2010 See paragraphs 18-22; and figs. 1, 3, 4.	1, 6, 7, 17, 19, 20
Y		2, 3, 5, 13, 15, 18
A		4, 8-12, 14, 16
Y	US 2005-0220393 AI (MARKUS RIESTER et al.) 06 October 2005 See paragraphs 16-20; and figs. 2, 3.	2, 3, 5, 13, 15, 18
A	US 2011-0044020 AI (KEVIN L. HRUBY et al.) 24 February 2011 See paragraphs 25-27, 34-36; and figs. 1, 3.	1-20
A	US 2008-0247723 AI (DANIEL J. HERZOG et al.) 09 October 2008 See paragraphs 25-28; and figs. 1, 2.	1-20
A	US 2004-0114326 AI (CHARLES H. DODGEN et al.) 17 June 2004 See paragraphs 36-41; and fig. 1.	1-20

I Further documents are listed in the continuation of Box C. See patent family 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 application or patent 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 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

21 October 2013 (21.10.2013)

Date of mailing of the international search report

22 October 2013 (22.10.2013)

Name and mailing address of the ISA/KR


dipb Korean Intellectual Property Office
189 Cheongsa-ro, Seo-gu, Daejeon Metropolitan City,
302-701 Republic of Korea

Facsimile No. +82-42-472-7140

Authorized officer

KANG, Hee Gok

Telephone No. +82-42-481-8264



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2013/050110

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2010-0006317 AI	14/01/2010	CN 101690251 A EP 2165552 AI US 7829787 B2 Wo 2009-009218 AI	31/03/2010 24/03/2010 09/11/2010 15/01/2009
US 2005-0220393 AI	06/10/2005	BR PI0509356 A CN 1934478 A CN 1934478 CO EP 1730566 A2 EP 1730566 A4 JP 2007-536563 A KR 10-0878993 BI KR 10-2007-0010138 A US 7130511 B2 Wo 2005-102021 A2 wo 2005-102021 A3	11/09/2007 21/03/2007 21/03/2007 13/12/2006 05/03/2008 13/12/2007 15/01/2009 22/01/2007 31/10/2006 03/11/2005 03/08/2006
US 2011-0044020 AI	24/02/2011	CN 101688960 A CN 101688960 B EP 2165229 AI US 2009-0016043 AI us 2011-262097 AI us 7787260 B2 us 7995357 B2 us 8520408 B2 wo 2009-009219 AI	31/03/2010 13/03/2013 24/03/2010 15/01/2009 27/10/2011 31/08/2010 09/08/2011 27/08/2013 15/01/2009
US 2008-0247723 AI	09/10/2008	CN 101233436 A CN 101233436 B CN 101233436 CO EP 1922576 A2 US 2007-0031099 AI us 7397996 B2 us 7599599 B2 wo 2007-019005 A2 wo 2007-019005 A3	30/07/2008 13/10/2010 30/07/2008 21/05/2008 08/02/2007 08/07/2008 06/10/2009 15/02/2007 03/05/2007
US 2004-0114326 AI	17/06/2004	AU 2003-283036 AI AU 2003-283036 AI CA 2505005 AI CA 2505005 AI CN 1726748 A CN 1726748 CO KR 10-2005-0085496 A MX PA05006116 A MY 137185 A US 6788535 B2 wo 2004-056165 AI	09/07/2004 09/07/2004 01/06/2004 01/07/2004 25/01/2006 30/07/2008 29/08/2005 30/09/2005 30/01/2009 07/09/2004 01/07/2004