

Diego Gonzalez

Search history

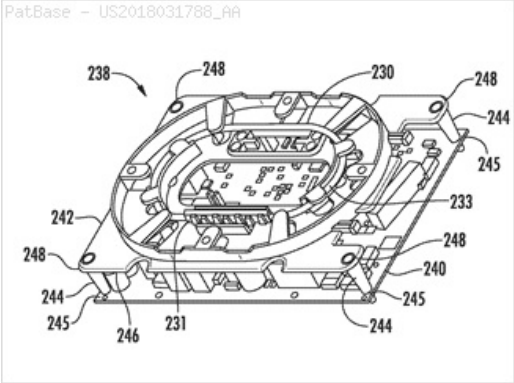
- Search 1: cable and pigtail and optical and fiber and electrical and housing (Results 0)
- Search 2: cable and pigtail and optical and fiber and electrical and housing (Results 530)
- Search 3: STAC=(cable and pigtail and optical and fiber and electrical and housing) (Results 17)

Title: SEALED FIBER OPTIC/ELECTRICAL DISTRIBUTION DEVICE

Abstract: A fiber optic/electrical distribution device having a housing defining an interior volume is disclosed. An electrical cable port extends into the interior volume and is accessible externally from the housing, wherein the electrical cable port is sealed to prevent ingress of dust and water into the interior volume. A fiber optic cable port extends into the interior volume and is accessible externally from the housing. The fiber optic cable port is sealed to prevent ingress of dust and water into the interior volume. A conversion assembly having a printed circuit board (PCB) and an optical/electrical converter and an electrical power circuit. A defined spacing is maintained between the PCB and the fiber optic cable tray, and the PCB and the fiber optic cable tray are maintained in lateral alignment.

Classifications:

International (IPC 8-9): G02B6/38 G02B6/42 G02B6/44 H01R4/24 H05K7/18 H05K7/20 (Advanced/Invention)
CPC: G02B6/4251 G02B6/4453 G02B6/4452 G02B6/428 G02B6/4257 G02B6/4285 G02B6/4269 G02B6/4292 G02B6/3897 H01R4/2404 H05K7/20409 H05K7/20463 H05K7/186 G02B6/4448



Family:

Publication number	Publication date	Application number	Application date
US2018031788 AA	20180201	US20160223329	20160729
WO18022270 A1	20180201	WO2017US40840	20170706

Priority:

US20160223329 20160729

Probable Assignee: CORNING INC

Assignee(s): (std): CORNING INC ; CORNING OPTICAL COMMUNICATIONS LLC ; CORNING RES AND DEVELOPMENT CORP

Assignee(s): CORNING RESEARCH AND DEVELOPMENT CORP

Inventor(s): (std): DURAN CHRISTIAN SHANE ; KEENUM JOHN AUSTIN ; REED EDWARD JOSEPH ; TENHOLDER RODGER ALAN

Agent(s): BRANHAM ROBERT L

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: **OPTICAL FIBER** TAP HANDLING TRAY WITH **FIBER** INSTALLATION TOOL

Abstract: An **optical fiber** waveguide tap handling tray is provided for use with a **cable** containing a plurality of **optical fiber** waveguides which are separated from the **cable** and exposed in a section thereof. The tap handling tray comprises a frame, a clamp for clamping the **cable** to the frame adjacent the section thereof so that the exposed **optical fiber** waveguides are thereupon physically secured to and contained within the frame, at least one **optical** tap secured to the frame for engaging and bending at least one of the plurality of **optical fiber** waveguides against an **optical** coupling medium having an index of refraction selected to match the index of refraction of the **optical fiber** so that light energy may pass through a side of the **optical fiber** and through the **optical** coupling medium, and wherein the **optical** tap defines an obtuse guiding angle arranged to lie in a path with which the **fiber** may freely be aligned within the frame after the **cable** has been clamped thereto. Taps having differing obtuse guiding angles may be selectively installed by the craftsman within the tray in order to select a desired amount of light energy interchange at the tap field location.

Classifications:

International (ipc 8-9): G02B6/36 G02B6/42

G02B6/44 (Advanced/Invention);

G02B6/36 G02B6/42 G02B6/44 (Core/Invention)

International (ipc 1-7): G02B6/36 G02B6/42

CPC: G02B6/4261 G02B6/4286 G02B6/4289 G02B6/4285

G02B6/4454 G02B6/4452

US: 350/96.2 350/96.21 385/134 385/135 385/32 385/53 385/95

JP F-Term: 2H037 2H037/AA01 2H037/BA02 2H037/BA11

2H037/CA06 2H137 2H137/AB05 2H137/AB06 2H137/AC04

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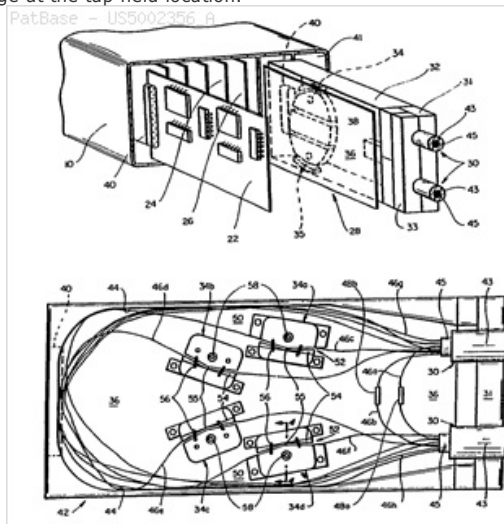
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2H137/CA45 2H137/CA76 2H137/CC28 2H137/DA13 2H137/DA27

2H137/DA28 2H137/DA39 2H137/DB05 2H137/EA06 2H137/HA07

2H137/HA15

JP F-Index: G02B6/42



Family:

Publication number	Publication date	Application number	Application date
AU199055593 A1	19901129	AU19900055593	19900426
CA2051633 AA	19911023	CA19902051633	19900426
EP0470178 A1	19920212	EP19900907821	19900426
JP5500271 T2	19930121	JP19900507120T	19900426
KR19927001847 A	19920812	KR19917001465	19900426
US5002356 A	19910326	US19890344778	19890428
US5090792 A	19920225	US19900523169	19900511
WO9013838 A1	19901115	WO1990US02295	19900426

Priority:

US19890344778 19890428 WO1990US02295 19900426 US19900523169 19900511

Probable Assignee: ERICSSON RAYNET A DE GENERAL PARTNERSHIP

Assignee(s): (std): RAYNET CORP

Assignee(s): RAYNET A CORP OF CA CORP ; KOHT LOWELL I ; RAYNET INT INC ; TAKAKI DANA M ; CLARK BRIAN H ; DEL FAVA DONALD ; ERICSSON RAYNET ; ERICSSON RAYNET A DE GENERAL PARTNERSHIP ; HADDOCK GEORGE W

Inventor(s): (std): CLARK BRIAN H ; DEL FAVA DONALD ; FAVA DONALD DEL ; HADDOCK GEORGE W ; KOHT LOWELL I ; TAKAKI DANA M

Inventor(s): BRIAN H CLARK ; LOWELL I KOHT ; GEORGE W HADDOCK ; DONALD DEL FAVA ; DANA M TAKAKI

Agent(s): GRIFFITH HACK; MARKS AND CLERK

Designated states: AT AU BE CA CH DE DK ES FR GB IT JP KR LI LU NL SE

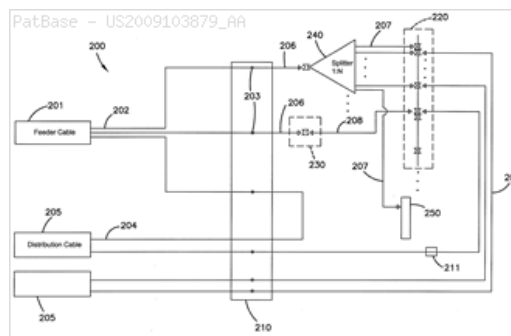
Abstract: A **fiber** distribution system includes one or more **fiber** distribution hubs (FDHs) that provide interface at a splice panel and/or a termination panel between incoming **fibers** routed from a central office and outgoing **fibers** routed to network subscribers. Splice trays, termination modules, splitter modules, and storage modules can be incrementally added to the FDH. The termination modules, **optical** splitters, and storage modules can be provided on a swing frame chassis within the FDH cabinet.

International (IPC 8-9): G02B6/00 G02B6/44 (Advanced/Invention);
G02B6/00 G02B6/44 (Core/Invention)

CPC: G02B6/4452

European: G02B6/44C8A4

US: 385/134 385/135 385/135P



Publication number	Publication date	Application number	Application date
CN101836148 A	20100915	CN200880112546	20081022
CN101836148 B	20140416	CN200880112546	20081022
EP2203769 A1	20100707	EP20080840904	20081022
IN01392KN2010 A	20100730	IN2010KN01392	20100420
US2009103879 AA	20090423	US20080255758	20081022
US2010290753 AA	20101118	US20100763936	20100420
US7720344 BB	20100518	US20080255758	20081022
US8032002 BB	20111004	US20100763936	20100420
WO09055446 A1	20090430	WO2008US80756	20081022

US20070999867P 20071022 US20080255758 20081022 WO2008US80756 20081022
US20100763936 20100420

Assignee(s): (std): ADC TELECOMMUNICATIONS INC ; LEI HAI BIN ; LOEFFELHOLZ TODD ; TANG MAO NIAN

Assignee(s): TYCO ELECTRONICS SERVICES GMBH ; COMMSCOPE EMEA LTD ; COMMSCOPE TECHNOLOGIES LLC ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Inventor(s): (std): LEI HAI BIN ; LOEFFELHOLZ TODD ; NIAN TANG MAO ; BIN LEI HAI ; TANG MAO NIAN ; TODD LOEFFELHOLZ

Inventor(s): LEI HAI ; TANG MAO

Agent(s): BOHNENBERGER JOHANNES; MERCHANT AND GOULD PC; BRUESS STEVEN C

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TZ TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: HYBRID CONNECTION SYSTEM USING FACTORY CONNECTORIZED PIGTAIL

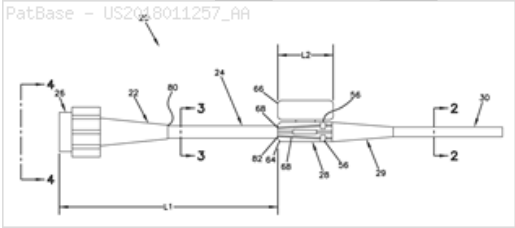
Abstract: A hybrid optical and electrical connection system includes a connectorized pigtail and a closure. The connectorized pigtail includes: a) a stub cable including a jacket containing at least one optical fiber and at least two electrical conductors, the stub cable having opposite first and second ends; and b) a hybrid optical and electrical connector that is factory terminated at the first end of the stub cable. The closure mounts at the second end of the stub cable for enclosing optical and electrical connections between the second end of the stub cable and a field cable.

Classifications:

International (ipc 8-9): G02B6/36 G02B6/38 G02B6/42 H01R13/502 H01R13/52 H01R13/62 H01R13/625 H01R24/20 H01R24/28 H01R4/02 H01R4/24 (Advanced/Invention)

International (ipc 1-7): G02B6/36 H01R13/62

CPC: H01R24/28 H01R24/20 H01R13/625 H01R13/5221 H01R13/5216 H01R13/5205 G02B6/3846 H01R4/24 H01R4/021 G02B6/4293 G02B6/4285 H01R13/502 G02B6/3817 G02B6/3885



Family:

Publication number	Publication date	Application number	Application date
AU2016211698 AA	20160804	AU20160211698	20160126
BR112017015420 A2	20180116	BR20171115420	20160126
CO20170007358 A2	20171010	CO20170007358	20170725
EP3251178 A1	20171206	EP20160743977	20160126
US2018011257 AA	20180111	US20160546556	20160126
WO16123127 A1	20160804	WO2016US14958	20160126

Priority:

US20150107879P 20150126 US20160546556 20160126 WO2016US14958 20160126

Probable Assignee: COMMSCOPE TECHNOLOGIES LLC

Assignee(s): (std): COMMSCOPE TECHNOLOGIES LLC

Inventor(s): (std): BRETZ DWIGHT A ; CHAPPELL ERIC RYAN ; FLAIG ROBERT CHARLES ; GURRERI MICHAEL LAWRENCE

Inventor(s): MICHAEL LAWRENCE GURRERI ; ROBERT CHARLES FLAIG ; DWIGHT A BRETZ ; ERIC RYAN CHAPPELL

Agent(s): DAVIES COLLISON CAVE PTY LTD; HELENA CAMARGO WILLIAMSON; MURGITROYD AND CO; BRUESS STEVEN C

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SYSTEM AND METHOD OF **FIBER** DISTRIBUTION

Abstract: A closure (15) is installed at a network distribution point to facilitate upgrading a subscriber network (10) to extend **optical fibers** closer to the subscribers (18). The closure (15) may include active equipment to convert **optical** signals to **electrical** signals. The closure (15) enables a plug-and-play connection to the active equipment to facilitate installing and/or upgrading active equipment at the closure (15). The closure (15) also is expandable to enable drop **cables** (or other **optical cable**) to be routed from the closure (15) towards the subscribers (18).

Classifications:

International (IPC 8-9): G02B6/38 G02B6/42

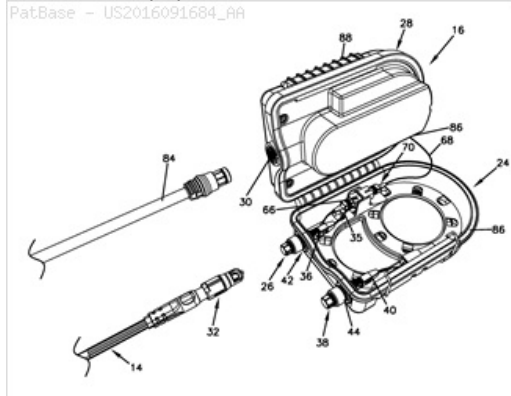
G02B6/44 (Advanced/Invention)

CPC: G02B6/4494 G02B6/4269 G02B6/3897 G02B6/4285

G02B6/4278 G02B6/4448 G02B6/4447 G02B6/445

US: 385/135

PatBase - US2016091684_AA



Family:

Publication number	Publication date	Application number	Application date
AU2015326904 AA	20160407	AU20150326904	20150930
EP3201670 A1	20170809	EP20150771117	20150930
US2016091684 AA	20160331	US20150870766	20150930
US9952396 BB	20180424	US20150870766	20150930
WO16050815 A1	20160407	WO2015EP72504	20150930

Priority:

US20140057540P 20140930

US20150870766 20150930

WO2015EP72504 20150930

Probable Assignee: COMMScope CONNECTIVITY BELGIUM BVBA

Assignee(s): (std): COMMScope CONNECTIVITY BELGIUM BVBA ; TYCO ELECTRONICS RAYCHEM BVBA

Inventor(s): (std): KEMPENEERS DIRK ; VAN CAUTEREN GERD

Agent(s): DAVIES COLLISON CAVE PTY LTD; KEANE DAVID COLMAN; MERCHANT AND GOULD PC; FASSIO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: MODULAR **OPTICAL** TRANSMITTER FOR WWDM TRANSCEIVERS

Abstract: A hermetically sealed **optical** transmitter module for use in an **optical** transceiver converting and coupling an information-containing **electrical** signal with an **optical fiber**. A plurality of semiconductor lasers are provided on a common support in the **housing** for converting between an information-containing **electrical** signal and a modulated **optical** signal corresponding to the **electrical** signal according to a standardized **optical** communications protocol, such as the IEEE 802.3ae 10 Gigabit BASE LX4 physical layer.

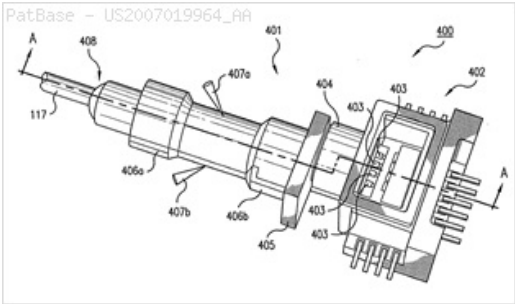
Classifications:

International (IPC 8-9): H04B10/00 H04B10/12 (Advanced/Invention); H04B10/12 (Core/Invention)

CPC: H04B10/40 H04B10/506

European: H04B10/40 H04B10/506

US: 398/138 398/141 398/141P 398/164



Family:

Publication number	Publication date	Application number	Application date
US2007019964 AA	20070125	US20050185008	20050719
US7463830 BB	20081209	US20050185008	20050719

Priority:

US20050185008 20050719

Probable Assignee: SUMITOMO ELECTRIC DEVICE INNOVATIONS USA INC

Assignee(s): (std): BLOCK MATTHEW ; DALLESASSE JOHN ; EMCORE CORP ; MORETTI ANTHONY ; WHITEHEAD THOMAS ; RICHARDSON DEAN ; MSZAL JOHN

Assignee(s): WELLS FARGO BANK NATIONAL ASSOCIATION ; SUMITOMO ELECTRIC DEVICE INNOVATIONS USA INC ; EMCORE SOLAR POWER INC ; BANK OF AMERICA NA

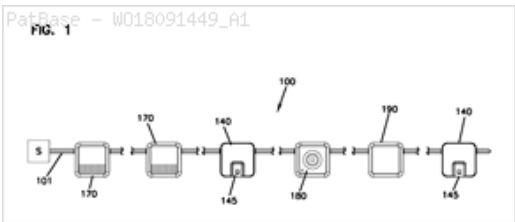
Inventor(s): (std): BLOCK MATTHEW ; DALLESASSE JOHN ; MORETTI ANTHONY ; MSZAL JOHN ; RICHARDSON DEAN ; WHITEHEAD THOMAS

Agent(s): EMCORE CORP

Title: **OPTICAL** AND POWER NETWORK FOR MODULAR EQUIPMENT

Abstract: A wireless network includes connections stations (110) disposed along a distribution **cable** (101) that carries **optical** signals and power. Each connection station (110) has a port (115) at which the **optical** signals and power of the **cable** (101) are provided. A wireless module (150) can be mounted at a connection station (110) so that a connection arrangement of the wireless module plugs into the port. The wireless module (150) can obtain power from the distribution **cable** (101) via the connection station (110). The wireless module (150) can broadcast the signals carried by the distribution **cable** (101) to the surrounding area.

Classifications:
International (IPC 8-9): G02B6/44 (Advanced/Invention)
CPC: G02B6/4416 G02B6/4439



Family:

Publication number	Publication date	Application number	Application date
WO18091449 A1	20180524	WO2017EP79160	20171114

Priority:

US20160422433P 20161115

Probable Assignee: COMMSCOPE CONNECTIVITY BELGIUM BVBA

Assignee(s): (std): COMMSCOPE CONNECTIVITY BELGIUM BVBA

Inventor(s): (std): MUSSCHEBROECK RUDY ; SIMER JOSHUA M ; VAN BAELEN DAVID JAN IRMA

Agent(s): MURGITROYD AND CO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SMALL PACKAGED TUNABLE LASER

Abstract: According to one embodiment, the present application includes a tunable laser configured in a small package. The tunable laser includes a **housing** with a volume formed by exterior walls. An **electrical** input interface is positioned at the first end of the **housing** and configured to receive an information-containing **electrical** signal. An **optical** output interface is positioned at the second end of the **housing** and configured to transmit a continuous wave **optical** beam. A tunable semiconductor laser is positioned in the interior space and operable to emit a laser beam having a selectable wavelength. A focusing lens assembly is positioned in the interior space along an **optical** path of the laser beam to operatively couple the laser beam to the **optical** output interface.

Classifications:

International (IPC 8-9): G02B6/42 H01S3/08 H01S3/10 H01S5/00 H01S5/022 H01S5/026 H01S5/06 H01S5/0687 H01S5/14 H04B10/04 (Advanced/Invention); G02B6/42 H01S3/04 H01S3/105 H01S5/00 H01S5/022 H01S5/024 H01S5/026 H01S5/0683 H01S5/14 (Advanced/Non-invention); H01S (Subclass/Invention)

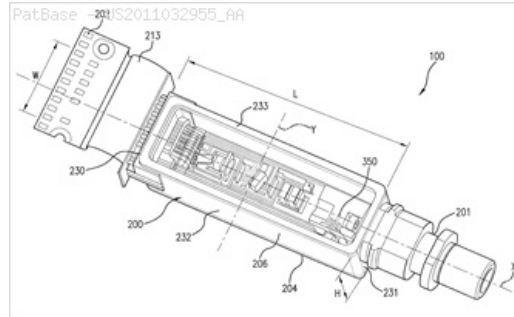
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European: G02B6/42C3B G02B6/42C6 H01S5/022 H01S5/022M4 H01S5/024A2 H01S5/024B2 S02F1/01A S02F1/09F T01S5/00F T01S5/00F2 T01S5/00F6 T01S5/022M4 T01S5/022W2 T01S5/024 T01S5/024A2 T01S5/024B T01S5/0683 T01S5/10B4 T01S5/14B

US: 1/1 372/20 372/20P 372/34 372/34S 372/92 372/98 398/182 398/182S 398/183 398/183P

JP F-Term: 2H137 2H137/AB06 2H137/AC01 2H137/AC02 2H137/BA01 2H137/BB02 2H137/BB15 2H137/BB25 2H137/BB31 2H137/BC02 2H137/BC23 2H137/BC31 2H137/BC47 2H137/BC51 2H137/BC53 2H137/CA15/A 2H137/CA78 2H137/CC05 2H137/CC21 2H137/DA21 2H137/DA39 2H137/DB08 2H137/DB12 2H137/DB13 2H137/DB15 2H137/HA01 2H137/HA05 2H137/HA12 5F173 5F173/MA02 5F173/MB03 5F173/MC01 5F173/MC16 5F173/MC17 5F173/ME01 5F173/ME11 5F173/ME24 5F173/ME33 5F173/ME47 5F173/ME53 5F173/ME83 5F173/ME85 5F173/ME90 5F173/MF02 5F173/MF03 5F173/MF17 5F173/MF23 5F173/MF27 5F173/MF32 5F173/MF34 5F173/MF39 5F173/SA08 5F173/SA26 5F173/SC02 5F173/SE01 5F173/SE02 5F173/SF03 5F173/SF09 5F173/SF33 5F173/SF43 5F173/SF46 5F173/SF54 5F173/SG21

JP F-Index: G02B6/42 H01S5/022 H01S5/0687 H01S5/14



Family:

Publication number	Publication date	Application number	Application date
CN104078836 A	20141001	CN201410059069	20140221
EP2770590 A1	20140827	EP20140153958	20140205
HK1201382 A1	20150828	HK20150101675	20150213
JP2014165497 A2	20140908	JP20140031508	20140221
US2011032955 AA	20110210	US20100722825	20100312
US2011033192 AA	20110210	US20090537026	20090806
US2011182305 AA	20110728	US20110080519	20110405
US2013177034 AA	20130711	US20130774309	20130222
US2013250980 AA	20130926	US20130899467	20130521
US2015036704 AA	20150205	US20140518943	20141020
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Priority:

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US20140518943 20141020		

Probable Assignee: NEOPHOTONICS CORP

Assignee(s): (std): DAIBER ANDREW JOHN ; EMCORE CORP ; HE XIAO GUANG ; LIU BOYANG ; XU SHENGBO ; WU YINAN ; NEOPHOTONICS CORP

Assignee(s): WELLS FARGO BANK NATIONAL ASSOCIATION

Inventor(s): (std): ANDREW JOHN DAIBER ; BOYANG LIU ; DAIBER ANDREW ; DAIBER ANDREW JOHN ; DAIBER ANDREW JOHN AJ ; HE XIAO GUANG ; JOHNSON BRAD VAUGHN ; LIU BOYANG ; SHENGBO XU ; SOCHAVA SERGEI ; WU YINAN ; XU SHENGBO ; YINAN WU

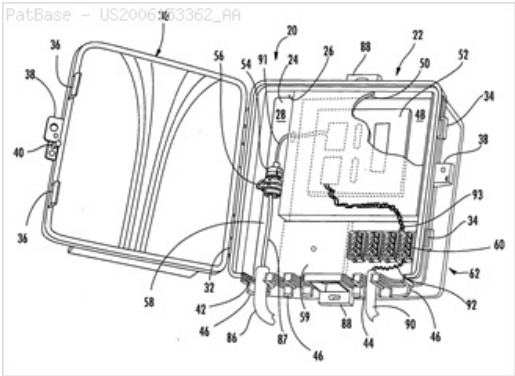
Agent(s): STIEBE LARS MAGNUS ; NISHIJIMA TAKAKI ; OHTSUKA FUMIAKI ; KUMAKURA YOSHIO ; SUDA HIROYUKI ; KONDO NAOIKI ; UESUGI HIROSHI ; EMCORE CORP ; MUETING RAASCH AND GEBHARDT PA

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: NETWORK INTERFACE DEVICE FOR FIBER OPTIC COMMUNICATIONS NETWORK

Abstract: A network interface device (NID) for a fiber optic communications network is provided for housing optical, electrical and/or coaxial connections and active and/or passive components. The NID includes a base and a movable panel defining a connections area and a components area. In one embodiment, a first base defines a first compartment for housing the panel and a second base defining a second compartment for storing drop cable slack, the first base being movably attached to the second base to provide access to the drop cable slack without disturbing the connections. In another embodiment, the panel defines a first compartment for optical and electrical connections and a second compartment for active and passive components, the second compartment being accessible to only the service provider. In another embodiment, the panel is removable and interchangeable to permit the service provider to upgrade the services or to expand services provided to a subscriber.

Classifications:
International (IPC 8-9): G02B6/44 H04M1/00 (Advanced/Invention); G02B6/44 H04M1/00 (Core/Invention)
CPC: G02B6/4448 G02B6/4471 H02G3/08
European: G02B6/44C8A2K4 H02G3/08 S02B6/44C8Z
US: 379/413.02



Family:

Publication number	Publication date	Application number	Application date
US2006153362 AA	20060713	US20050035244	20050113
WO06076120 A1	20060720	WO2005US45387	20051214

Priority:

US20050035244 20050113

Probable Assignee: CORNING INC

Assignee(s): (std): BLOODWORTH STEPHEN G ; BURNS SCOTT C ; CORNING CABLE SYS LLC ; GRUNWALD BRAD N ; JAMES MICHAEL K ; KEENUM JOHN A ; NAPIORKOWSKI JOHN J ; VO CHANH C

Assignee(s): CORNING CABLE SYSTEMS LLC ; CORNING INC

Inventor(s): (std): BLOODWORTH STEPHEN G ; BURNS SCOTT C ; GRUNWALD BRAD N ; JAMES MICHAEL K ; KEENUM JOHN A ; NAPIORKOWSKI JOHN J ; VO CHANH C

Inventor(s): NAPIORKOWSKI JOHN ; VO CHANH ; BLOODWORTH STEPHEN ; KEENUM JOHN ; JAMES MICHAEL ; GRUNWALD BRAD ; BURNS SCOTT

Agent(s): CORNING CABLE SYSTEMS LLC

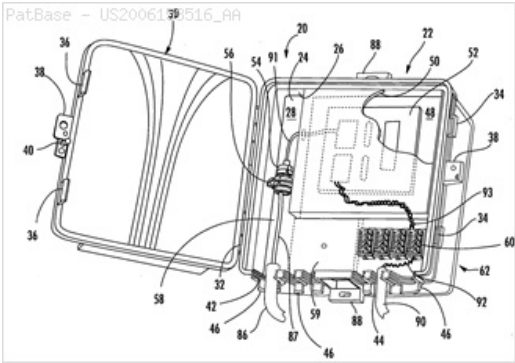
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: NETWORK INTERFACE DEVICE HAVING INTEGRAL SLACK STORAGE COMPARTMENT

Abstract: A network interface device (NID) for a fiber optic communications network is provided for housing optical, electrical and/or coaxial connections and active and/or passive components. The NID includes a base and a movable panel defining a connections area and a components area. In one embodiment, a first base defines a first compartment for housing the panel and a second base defining a second compartment for storing drop cable slack, the first base being movably attached to the second base to provide access to the drop cable slack without disturbing the connections. In another embodiment, the panel defines a first compartment for optical and electrical connections and a second compartment for active and passive components, the second compartment being accessible to only the service provider. In another embodiment, the panel is removable and interchangeable to permit the service provider to upgrade the services or to expand services provided to a subscriber.

Classifications:

International (IPC 8-9): G02B6/00 G02B6/44 (Advanced/Invention);
H04M1/02 H04Q1/02 (Advanced/Non-invention);
G02B6/00 G02B6/44 (Core/Invention);
H04M1/02 H04Q1/02 (Core/Non-invention)
CPC: H04Q1/028 G02B6/4447 G02B6/4448 G02B6/445 H04Q1/021
H04Q1/116 H04Q2201/10 H04Q2201/16 H04Q2201/804
European: G02B6/44C8A2K6 H04Q1/02N S02B6/44C8A2K2
S02B6/44C8A2K4 T04Q201/10 T04Q201/16 T04Q201/80F
US: 385/134 385/134S 385/135 385/135P



Family:

Publication number	Publication date	Application number	Application date
US2006153516 AA	20060713	US20050035232	20050113
WO06076115 A1	20060720	WO2005US45243	20051214

Priority:

US20050035232 20050113

Probable Assignee: CORNING INC

Assignee(s): (std): GRUNWALD BRAD N ; KEENUM JOHN A ; NAPIORKOWSKI JOHN J ; VO CHANH C ; CORNING CABLE SYS LLC

Assignee(s): CORNING CABLE SYSTEMS LLC ; CORNING INC

Inventor(s): (std): GRUNWALD BRAD N ; KEENUM JOHN A ; NAPIORKOWSKI JOHN J ; VO CHANH C

Inventor(s): GRUNWALD BRAD ; VO CHANH ; NAPIORKOWSKI JOHN ; KEENUM JOHN

Agent(s): CORNING CABLE SYSTEMS LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: HYBRID DONGLE CABLE ASSEMBLY

Abstract: The present disclosure is directed to a hybrid dongle cable assembly connectable to a standard copper cable terminated by an RJ-45 jack. The hybrid dongle cable assembly has a cable carrying electrical conductors and optical fibers. The hybrid dongle cable assembly further includes first and second connectors housing a fiber optic transceiver, DC converter, and integrated circuit chip, wherein both of the connectors are connectable to a copper cable.

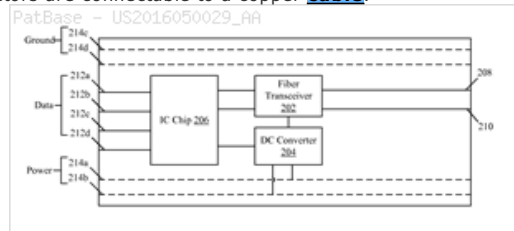
Classifications:

International (IPC 8-9): G02B6/38 G02B6/42 H01R24/64

H04B10/80 (Advanced/Invention)

CPC: H04B10/808 G02B6/4293

US: 398/116



Family:

Publication number	Publication date	Application number	Application date
EP3183782 A1	20170628	EP20150833761	20150817
US2016050029 AA	20160218	US20150828186	20150817
WO16028701 A1	20160225	WO2015US45551	20150817

Priority:

US20140038798P 20140818 US20150828186 20150817 WO2015US45551 20150817

Probable Assignee: COMMScope TECHNOLOGIES LLC

Assignee(s): (std): ADC TELECOMMUNICATIONS INC

Assignee(s): COMMScope EMEA LTD ; COMMScope TECHNOLOGIES LLC ; JPMORGAN CHASE BANK NA
COLLATERAL AGENT AS ; TYCO ELECTRONICS SERVICES GMBH

Inventor(s): (std): CHAPPELL ERIC RYAN ; HUEGERICH THOMAS P ; KACHMAR WAYNE M

Agent(s): KEANE DAVID COLMAN; BRUESS STEVEN C

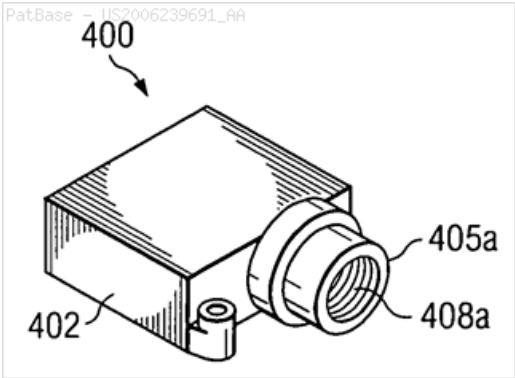
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IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN
MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG
SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: **OPTICAL** TRANSCEIVER WITH CONNECTOR

Abstract: An **optical** transceiver includes a **housing** with an **optical** connector in mechanical contact therewith. The **optical** connector at the **optical** transceiver allows for an **optical** connector at an end of a **fiber** optic drop **cable** to be connected directly to the **optical** transceiver. This transceiver **housing/optical** connector arrangement replaces labor and material intensive "**pigtail**" designs in which a "**pigtail**" **fiber** optic **cable** stemming from the **optical** transceiver connects to one side of a dual connector in an **Optical** Network Terminal (ONT) and a **fiber** optic **cable** from an **Optical** Line Terminal (OLT) connects to the other side of the dual connector. Thus, **optical** connections and associated materials and labor are reduced in an **optical** network terminal.

Classifications:

International (IPC 8-9): H04B10/00 (Advanced/Invention);
H04B10/00 (Core/Invention)
CPC: G02B6/4204 G02B6/4246 G02B6/4292
European: G02B6/42C6 G02B6/42D S02B6/42C3
US: 398/139



Family:

Publication number	Publication date	Application number	Application date
US2006239691 AA	20061026	US20050110978	20050420

Priority:

US20050110978 20050420

Probable Assignee: TELLABS OPERATIONS INC
Assignee(s): (std): TELLABS OPERATIONS INC
Inventor(s): (std): PENDER WILLIAM A
Inventor(s): PENDER WILLIAM
Agent(s): HAMILTON BROOK SMITH AND REYNOLDS PC

Title: MINIATURE ENDOSCOPE WITH IMAGING FIBER SYSTEM

Abstract: An endoscope has a **fiber** optic waveguide that transmits an image from a distal end to a proximal end, the waveguide having an outer diameter of less than 3 mm. A lens system is positioned at the distal end of the **fiber** optic waveguide. An imaging device is **optically** coupled to the proximal end of **fiber** optic waveguide. A disposable sheath extends about the **fiber** optic waveguide to provide a sterile barrier, and in a preferred embodiment the sheath includes an illumination channel. In a preferred embodiment, the lens system has a first lens element, a second lens element and an aperture stop.

Classifications:

International (IPC 8-9): A61B1/00 A61B1/012 A61B1/015
A61B1/018 A61B1/04 A61B1/045 A61B1/05 A61B1/06 A61B1/07
A61B1/317 A61B17/24 A61B17/34 A61B17/42 A61F11/00 B32B37/12
F21V8/00 G02B23/24 G02B23/26 G02B27/00
G02B6/04 (Advanced/Invention);
A61B1/00 A61B1/04 A61B1/06 B32B37/12 G02B23/24
G02B23/26 (Core/Invention)

International (IPC 1-7): A61B1/00 A61B1/04 G02B23/24 G02B23/26

CPC: A61B1/043 A61B1/015 A61B1/018 A61B1/00016 A61B1/0638

A61B5/0084 A61B1/00165 A61B1/012 A61B1/00142 A61B1/00059

A61B1/00135 A61B1/00167 A61B1/042 A61B1/0607 A61B1/07

G02B3/0087 G02B23/2469 G02B23/2476 G02B27/0025

European: A61B1/00C9 A61B1/00H4 A61B1/00J A61B1/00S2

A61B1/00S2B A61B1/04D A61B1/06B A61B1/06J A61B1/07

A61B5/00B A61B5/00P12B G02B23/24B5F G02B23/24D

K61B1/00C2D K61B1/012 S02B27/00K S02B3/00G

US: 156/296 156/296S 600/102 600/102S 600/109 600/109P

600/109S 600/112 600/112P 600/112S 600/121 600/121P 600/121S 600/125 600/130 600/131 600/131S 600/138 600/160

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JP F-Term: 2H040 2H040/CA03 2H040/CA07 2H040/CA11 2H040/CA23 2H040/CA27 2H040/DA03 2H040/DA12 2H040/DA18

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4C061/JJ13 4C061/JJ17 4C061/JJ18 4C061/JJ19 4C061/NN01 4C061/NN03 4C061/QQ02 4C061/QQ03 4C061/QQ04

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4C161/AA12 4C161/AA16 4C161/AA21 4C161/AA23 4C161/AA24 4C161/AA25 4C161/BB02 4C161/DD04 4C161/FF11

4C161/GG22 4C161/GG24 4C161/HH04 4C161/HH51 4C161/JJ06 4C161/JJ13 4C161/JJ17 4C161/JJ18 4C161/JJ19

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4C161/AA11 4C161/AA13 4C161/BB00 4C161/DD01 4C161/LL01 4C161/RR14 2H040/CA04 2H040/DA51 4C161/AA00

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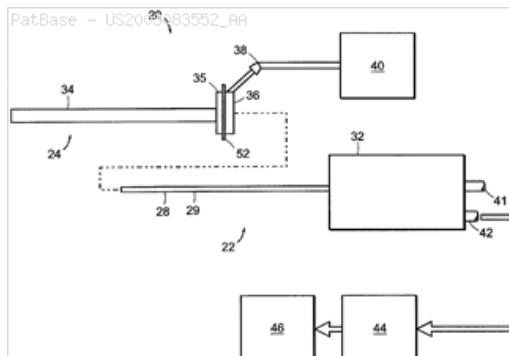
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**Family:**

Publication number	Publication date	Application number	Application date
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CA2464091 AA	20040416	CA20022464091	20021018
CA2464091 C	20111206	CA20022464091	20021018
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CA2748436 AA	20030501	CA20022748436	20021018
CA2748436 C	20140225	CA20022748436	20021018
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EP1855580 A2	20071121	EP20060737509	20060308
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EP2481339 A2	20120801	EP20120154379	20070830
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WO03034905 A3	20030605	WO2002US33336	20021018
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WO06096797 A3	20071213	WO2006US08342	20060308
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WO08027448 A3	20080522	WO2007US19032	20070830

Priority:

US20010042126	20011019	CA20022464091	20021018	CA20022748436	20021018
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Probable Assignee: VISIONQUEST HOLDINGS LLC

Assignee(s): (std): MCDONALD JAMES E ; REMIJAN PAUL ; VISIONSCOPE INC ; VISIONSCOPE LLC ; VISIONSCOPE TECHNOLOGIES LLC ; GILL THOMAS J ; VISIONSCOPE TECH LLC

Assignee(s): MCCARTER AND ENGLISH LLP ; VISIONSCOPE TECHNOLOGIES LLC CONCORD ; SILVERSTONE III LP ; VISIONQUEST HOLDINGS LLC

Inventor(s): (std): GILL THOMAS J ; MCDONALD JAMES ; MCDONALD JAMES E ; REMIJAN PAUL

Inventor(s): REMIJAN PAUL HOLLAND ; GILL THOMAS ; MCDONALD JAMES E MONSON

Agent(s): BORDEN LADNER GERVAIS LLP; GRAHAM WATT AND CO LLP SEVENOAKS; GREENWOOD JOHN DAVID; SUER STEVEN JOHANNES; WEINGARTEN SCHURGIN GAGNEBIN AND LEOVICI LLP; HOOVER THOMAS O ET AL

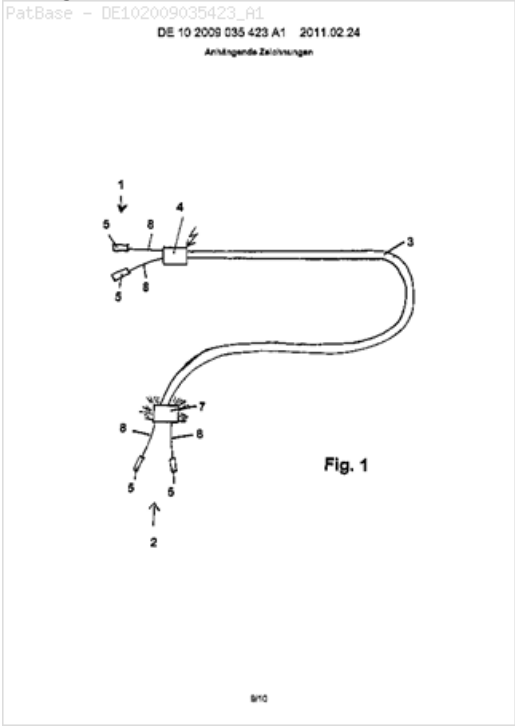
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Title: Verfahren zur automatischen Konfektion eines Lichtwellenleiter-Kabels mit Signalelementen; Lichtwellenleiterkabel und Verfahren zur Identifikation von Lichtwellenleiterndabschnitten

Abstract: Source: DE102009035423B4 [DE] Die Erfindung betrifft ein LWL-Kabel (3) mit mindestens zwei aktivierbaren Anzeigeelementen an Kabel-Aufteilungen in LWL-Kabelendbereichen (1, 2) sowie einer elektrischen Signalleitung (21), wobei mindestens ein Anzeigeelement (4, 7) mindestens einen Signalgeber (11) aufweist, der Signalgeber (11) eines Anzeigeelementes (4, 7) ueber mindestens eine elektrische Signal-Leitung (21) im LWL-Kabel (3) mit mindestens einem weiteren Signalgeber (11) im Anzeigeelement (7, 4) am anderen LWL-Kabelendbereich verbunden ist, so dass bei Energieeinspeisung in die elektrische Signalleitung (21) an einem Anzeigeelement (4, 7) mindestens der Signalgeber (11) an einem weiteren Anzeigeelement (7, 4) aktivierbar ist, ein Verfahren zur Identifikation von LWL-Kabeln anhand von daran angebrachten Anzeigeelementen und ein Verfahren zur automatischen Konfektion eines LWL-Kabels mit elektrischer Signalleitung mit Aufteilung in **Pigtails** und Anzeigeelement an der Aufteilung.

Classifications:

International (IPC 8-9): G02B6/36 G02B6/44
G02B6/46 (Advanced/Invention)
CPC: G02B6/3895 G02B6/4471
European: G02B6/44C8Z S02B6/38D15



Family:

Publication number	Publication date	Application number	Application date
DE102009035423 A1	20110224	DE200910035423	20090731
DE102009035423 B4	20130328	DE200910035423	20090731

Priority:

DE200910035423 20090731

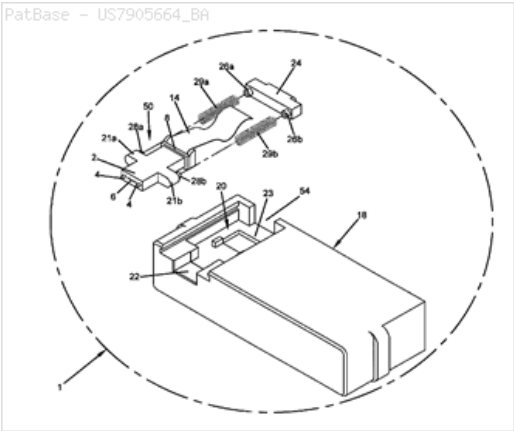
Probable Assignee: ZELLNER GMBH
Assignee(s): (std): ZELLNER GMBH
Inventor(s): (std): KLEES ERNST ; ZELLNER JOACHIM

Title: INPUT/OUTPUT CONNECTOR HAVING AN ACTIVE **ELECTRICAL/OPTICAL** COMMUNICATION COMPONENT

Abstract: An I/O connector that includes an **optical** communication component, for example an **optical** transceiver, mounted to a ferrule body of the I/O connector. The connector can be installed on a circuit card assembly and is configured to allow blind-mate connectivity. Mounting the **optical** communication component to the ferrule body of the connector frees up the surface of the circuit card that could be eliminated or used for mounting other components, facilitates installation of and access to the **optical** communication component for repair and maintenance thereof, and eliminates the need for a **fiber** optic **pigtail** extending from the connector to the circuit card.

Classifications:

International (IPC 8-9): G02B6/36 G02B6/38
G02B6/40 (Advanced/Invention)
CPC: G02B6/3817 G02B6/421 G02B6/4246 G02B6/4249 G02B6/4292 G02B6/43
European: G02B6/42C8 G02B6/42D S02B6/38D2J S02B6/42C3D S02B6/42C6 S02B6/43
US: 385/78 385/88 385/89 385/90 385/92



Family:

Publication number	Publication date	Application number	Application date
US7905664 BA	20110315	US20080237721	20080925

Priority:

US20080237721 20080925

Probable Assignee: LOCKHEED MARTIN CORP

Assignee(s): (std): LOCKHEED CORP

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Inventor(s): (std): STEVENS RICK C ; NELSON RYAN L ; CORDES AARON M

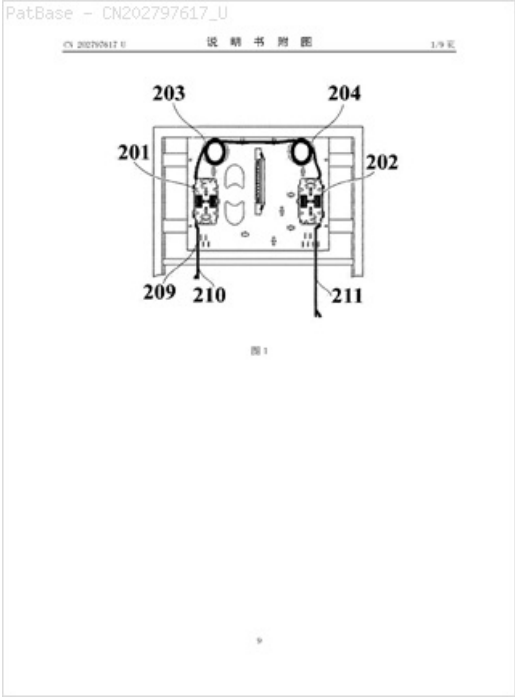
Agent(s): HAMRE SCHUMANN MUELLER AND LARSON PC

Title: SMART POWER GRID PHOTOELECTRIC COMPOSITE CABINET

Abstract: Source: CN202797617U **Machine translation:** The utility model provides a smart grid photovoltaic composite cabinet, comprising: a **housing**, a light branching unit and the **electrical** branch unit. Wherein the outer surface of the **housing** with a **cable** entry, **cable** outlet, **cable** inlet and **cable** outlet; **optical** branching unit comprises: a first splice tray, the second splice tray, first bare **fiber** memory, a second memory bare **fiber**, a first end **Fiber** memory, a second **pigtail** memory, an **optical** adapter, **cable** holder, **cable** holder; **electrical** branch unit include: the zero line board, first 225Hz **electrical** branch circuit breaker, the second 225Hz **electrical** branch circuit breakers, third 225Hz power Branch circuit breakers, **electrical** branch circuit breaker fourth 225Hz, 400Hz **electrical** branch circuit breakers, 1250Hz **electrical** branch circuit breakers, ground plate; **optical** branching unit and the **electrical** branch unit vertically adjacent or side by side disposed inside the box.

Classifications:

International (IPC 8-9): G02B6/44 H02B1/04 H02B1/20 H02B1/54 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN202797617 U	20130313	CN201220401005U	20120814

Priority:

CN201220401005U 20120814

Probable Assignee: SHANGHAI HENGTONG HONGPU COMMUNICATE TECHNOLOGY CO LTD

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Inventor(s): (std): SUN XIANGUI ; WU HONGDONG ; XU HU ; ZHAO XINHUA ; ZHOU QINGHONG ; ZHOU TIESHENG

Title: **OPTICAL** TRANSMISSION CHANNEL WITH **ELECTRICAL** CONNECTORS

Abstract: An **optical** transmission channel permitting terminal **electrical** connection with operating characteristics in a very wide frequency band, while maintaining the transfer function constant. It comprises an **optical cable** terminated at each end by a module containing, for each link, an emitting or receiving diode as a function of the particular case and its associated electronic circuit. The **optical** coupling is performed by a detachable **optical** connector within the module and each circuit has a frequency compensating circuit to produce a phase lead and accentuate the high frequencies.

Classifications:

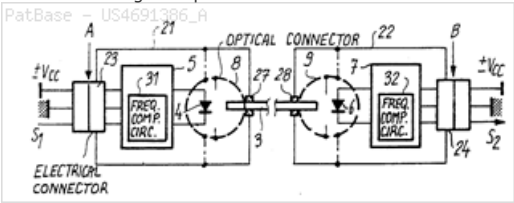
International (IPC 8-9): G02B6/42 H04B10/152 (Advanced/Invention);
G02B6/42 H04B10/152 (Core/Invention)

International (IPC 1-7): G02B6/24 G02B6/42 H04B9/00

CPC: G02B6/4246

European: G02B6/42C6 H04B10/152

US: 398/139 398/141 398/158 398/41 455/607 455/612 455/613
455/617 455/618 455/619



Family:

Publication number	Publication date	Application number	Application date
DE3471416 D1	19880623	DE19843471416	19841127
EP0148049 A1	19850710	EP19840402420	19841127
EP0148049 B1	19880518	EP19840402420	19841127
FR2556105 A1	19850607	FR19830019320	19831202
FR2556105 B1	19860829	FR19830019320	19831202
US4691386 A	19870901	US19840675799	19841128

Priority:

FR19830019320 19831202

Probable Assignee: THOMSON CSF
Assignee(s): (std): THOMSON CSF
Inventor(s): (std): COURTY ALBERT ; EUMURIAN GREGOIRE
Designated states: BE CH DE GB IT LI SE