

Search strategy

Query

((FIBER AND OPTIC AND ENCLOSURE) AND (OPTICAL AND FIBER) AND BOX AND AERIAL)/TX/BI/SA/KEYW/IN/PA

100 Documents

Publication numbers	Title	Current assignees
EP2321687 A2	Fiber optic cable assemblies employing a furcation body having anti-rotation feature	CORNING OPTICAL COMMUNICATIONS
EP2435872 A1	Port mapping for series connected fiber optic terminals	CORNING OPTICAL COMMUNICATIONS
EP2215508 A1	Fiber optic cables and assemblies for fiber toward the subscriber applications	CORNING OPTICAL COMMUNICATIONS
EP2350724 A1	Optical fiber management shelf for optical connection terminals	CORNING OPTICAL COMMUNICATIONS
EP2726928 A1	Fiber optic equipment assemblies employing non-u-width-sized housings and related methods	CORNING OPTICAL COMMUNICATIONS
EP2612188 A2	Methods, apparatuses for providing secure fiber optic connections	CORNING OPTICAL COMMUNICATIONS
EP1934643 A1	Fiber optic receptacle and plug assembly including alignment sleeve insert	CORNING OPTICAL COMMUNICATIONS
EP2633354 A1	Impact resistant fiber optic enclosures and related methods	CORNING OPTICAL COMMUNICATIONS
EP1782114 A1	Fiber optic receptacle and plug assemblies with alignment and keying features	CORNING OPTICAL COMMUNICATIONS
EP1982223 A1	Fiber optic cable having a dry insert and methods of making the same	CORNING OPTICAL COMMUNICATIONS
EP1807723 A1	Pre-connectorized fiber optic distribution cable having overmolded access location	CORNING OPTICAL COMMUNICATIONS
WO200660091 A1	Adjustable tether assembly for fiber optic distribution cable	CORNING OPTICAL COMMUNICATIONS
EP2312354 A1	Multi- fiber optic receptacle and plug assembly	CORNING OPTICAL COMMUNICATIONS
WO200644080 A1	Pre-connectorized fiber optic distribution cable having multifiber connector	CORNING OPTICAL COMMUNICATIONS
EP1692556 A2	Frame for optical fiber distribution and management, and associated methods	COMMSCOPE TECHNOLOGIES, ...
US20180128982 A1	Fiber optic distribution network employing fiber optic distribution assemblies of the same type, and related devices, components, and methods	CORNING OPTICAL COMMUNICATIONS
EP2052286 A2	Ruggedized fiber optic connector assembly	CORNING OPTICAL COMMUNICATIONS
US20140105539 A1	Port mapping in fiber optic network devices	CORNING OPTICAL COMMUNICATIONS
EP1820289 A2	Buried fiber optic system including a sub-distribution system	COMMSCOPE

Publication numbers	Title	Current assignees
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EP1836517 A1	Overmolded multiport optical connection terminal having means for accommodating excess fiber length	CORNING OPTICAL COMMUNICATIONS
EP3380879 A1	Fiber optic connection system with enclosure port plugs	COMMSCOPE TECHNOLOGIES
EP2147342 A1	Fiber optic splice and distribution enclosure	COMMSCOPE
CN102914842 A	First-aid repair adapter connector box for optical fiber composite overhead insulating phase lines and manufacture method thereof	ZHONGTIAN HITACHI FIBER OPTIC CABLE
EP1952187 A1	Fiber optic closure methods and apparatus	METALDYNE, ...
EP2335105 A2	Fiber optic cable assemblies and securing methods	CORNING CABLE SYSTEMS
EP2391917 A1	Fiber optic enclosure	COMMSCOPE TECHNOLOGIES, ...
EP2558898 A2	Port mapping in fiber optic network devices	CORNING CABLE SYSTEMS
EP2396687 A1	Reconfigurable multi-zoned fiber optic network architecture having fiber optic devices	CORNING CABLE SYSTEMS
WO2019127644 A1	Protective enclosure for optical fiber distribution and splicing	SHENZHEN YINGTONGDA OPTIC FIBER TECHNOLOGY
WO201109060 A2	Fiber optic enclosure with adapter bulkhead positioned beneath pivotal splice tray	ADC TELECOMMUNICATIONS, ...
EP1944635 A2	Fiber optic cabling for multi-dwelling unit (mdu) and commercial building deployments	COMMSCOPE TECHNOLOGIES, ...
EP2962143 A1	Female hardened optical connectors for use with male plug connectors	CORNING OPTICAL COMMUNICATIONS
WO201905190 A2	Compact fiber optic connectors having multiple connector footprints, along with cable assemblies and methods of making the same	CORNING RESEARCH & DEVELOPMENT
EP1751597 A1	Distribution cable assembly having overmolded mid-span access location	CORNING OPTICAL COMMUNICATIONS
EP2376961 A1	Fiber optic multi dwelling unit deployment apparatus and methods for using the same	COMMSCOPE TECHNOLOGIES, ...
EP-817986 A1	Dome shaped closure for fiber optics	3M
CN202676957U U	Pole terminal connector device of insulated optical fiber composition phase connector	STATE GRID CORPORATION OF CHINA (SGCC), ...
CN102636852 A	Pole terminal connector device of insulated optical fiber composition phase conductor	SHANGHAI MUNICIPAL ELECTRIC POWER, ...
EP2499472 A1	Optic fibres and fibre optic sensing	OPTASENSE
EP2458417 A1	Fiber optic universal bracket apparatus and methods	CORNING CABLE SYSTEMS

Publication numbers	Title	Current assignees
EP3542199 A1	Fiber optic closure terminals with increased versatility	CORNING
EP-523473 A1	Connector assembly with a metal tube clad optical fiber cable	NIPPON STEEL WELDING PRODUCTS & ENGINEERING
CN202939338U U	Emergency repair connector box for optical fiber composite overhead insulated phase line	ZHONGTIAN HITACHI FIBER OPTIC CABLE
EP2297604 A1	Methods and systems for distributing fiber optic telecommunications services to local area	COMMSCOPE, ...
WO200660250 A2	Tether assembly having individual connector ports	CORNING OPTICAL COMMUNICATIONS
EP-817985 A1	Fiber optic splice organizers	3M
EP2062082 A1	Preconnectorized fiber optic cable assembly	CORNING CABLE SYSTEMS
EP2344911 A2	Reduced-diameter optical fiber	DRAKA COMTEQ
EP1815284 A1	Optical fiber drop terminal	COMMSCOPE, ...
WO201303195 A1	Multi-port optical connection terminal assemblies supporting optical signal splitting, and related terminals and methods	CORNING OPTICAL COMMUNICATIONS
US5825960 A	Fiber optic management system	WHITAKER
EP2130079 A1	Optical fiber cable inlet device and telecommunications enclosure system	3M, ...
CN202614995U U	Rod middle joint device of insulated optical fiber composition phase conductor (OPPC cable)	SHANGHAI MUNICIPAL ELECTRIC POWER, ...
WO200758967 A1	Fiber optic cable breakout system, packaging arrangement, and method of installation	COMMSCOPE TECHNOLOGIES, ...
EP2193394 A1	Multi-port optical connection terminal	CORNING OPTICAL COMMUNICATIONS
EP1872158 A1	Methods and apparatus for facilitating cable locating by using transponder	CORNING OPTICAL COMMUNICATIONS
US20160040968 A1	Aquatic vessel fiber optic network	SUBX
EP1831746 A1	Distribution cable having overmolded mid-span access location with preferential bending	CORNING OPTICAL COMMUNICATIONS
EP1871858 A2	Treatment of gas from an in situ conversion process	SHELL INTERNATIONALE RESEARCH
EP2820459 A1	Optical fiber cable splicing box	3M, ...
EP2056148 A2	Optical fiber cables	FURUKAWA ELECTRIC
EP1557707 A1	Buffer tube coupling coil and method of installing a fiber optic cable	DRAKA COMTEQ
WO2005121857 A1	Optical tube assembly having a dry insert	CORNING OPTICAL COMMUNICATIONS
US20020146229 A1	Fiber optic cable splice enclosure	HUBBELL POWER SYSTEMS

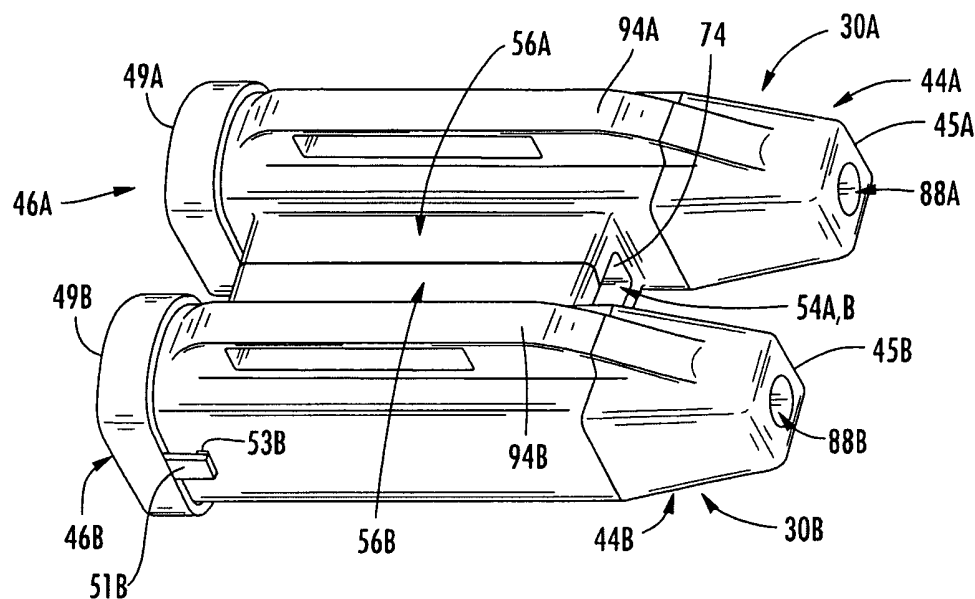
Publication numbers	Title	Current assignees
EP1316829 A2	Optical fiber distribution terminal for network access point	CORNING OPTICAL COMMUNICATIONS
FR2834399 A1	System for operating telecommunications/data transmission has a fiber optic cable with an electric wire between two stations separated by an ocean with repeaters to boost optical signals.	ALCATEL LUCENT
US20050163448 A1	Multi-port optical connection terminal	CORNING OPTICAL COMMUNICATIONS
EP3311210 A1	Optical termination enclosure	COMMSCOPE, ...
EP3451037 A1	Method for gripping optical fiber cable, and optical fiber cable gripping tool	FUJIKURA
EP2116878 A1	Bend-insensitive single-mode optical fiber	DRAKA COMTEQ
WO201542242 A1	Fiber cable and drop wire organizer	HUBBELL
WO200756319 A2	Flexible optical closure and other flexible optical assemblies	CORNING OPTICAL COMMUNICATIONS
US5133039 A	Aerial fiber optic cable case	FITEL
EP1488482 A2	Amplifiers and light sources employing s-band erbium-doped fiber and l-band thulium-doped fiber with distributed suppression of amplified spontaneous emission (ase)	LUMENTUM OPERATIONS, ...
EP1131621 A1	Fiber optic sensor for long-term analyte measurements in fluids	UNIVERSITY TUFTS MEDICAL
EP1619767 A1	Installation with optical waveguides cable	CCS TECHNOLOGY
EP1875285 A2	Parking adapter for fibre optic connectors in fibre distribution hubs	COMMSCOPE, ...
AU2015268676 A1	Fiber optic network architecture having optical connection terminals in series arrangement	CORNING CABLE SYSTEMS
EP1639058 A1	Photochromic compounds	TRANSITIONS OPTICAL
EP1999505 A2	Fiber optic cable breakout configuration with "y" block	COMMSCOPE TECHNOLOGIES
EP1787369 A1	System and device for hauling fibre optic cable along a conduit	PRYSMIAN AUSTRALIA
US20160341911 A1	Architecture for a fiber optic network	COMMSCOPE, ...
WO2014189567 A2	Power cable with ability to provide optical fiber upgrade	TYCO ELECTRONICS
EP-441883 A1	Splice case for optical fibre cable.	RAYCHEM
EP2707319 A1	Transformable cable reel	CORNING OPTICAL COMMUNICATIONS
US20060093304 A1	Optical connection closure having at least one connector port	CORNING OPTICAL COMMUNICATIONS
US20030223725 A1	Below grade closure for local convergence point	CORNING OPTICAL COMMUNICATIONS

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US20080112681 A1	Optical connection closure having at least one connector port for optically connecting a drop cable to a distribution cable	CORNING OPTICAL COMMUNICATIONS
WO9804939 A1	Optical sensor	JOHNSON; DOUGLAS M.
EP2533082 A1	Single mode optical fiber	DRAKA COMTEQ
EP2318868 A2	Optical fiber cable inlet device with integral optical device	3M, ...
AU2011201172 A1	Multi-level distributed fiber optic architectures	CORNING CABLE SYSTEMS
EP2074461 A2	Optical fiber cable retention device	3M
EP2284587 A1	Tight-buffered optical fiber unit having improved accessibility	DRAKA COMTEQ
AU2010219424 A1	Methods of port mapping in fiber optic network devices	CORNING CABLE SYSTEMS
EP2116877 A1	Single mode optical fiber	DRAKA COMTEQ
CN102928746 A	Testing device and testing method for wet withstand voltage of optical phase conductor (OPPC) connector box	CHINA ELECTRIC POWER RESEARCH INSTITUTE, ...
EP2801848 A1	Optical fiber fusion splicing system	FUJIKURA
EP2206001 A1	Microbend- resistant optical fiber	DRAKA COMTEQ
AU2015215833 A1	Impact resistant fiber optic enclosures and related methods	CORNING CABLE SYSTEMS

Family 1/100 - FAMPAT - ©Questel

Title

(EP2321687)

Fiber optic cable assemblies employing a furcation body having anti-rotation feature**Images****Publication data including kind & date**

CN107367805	A	2017-11-21	CN107367805
ES2613879	T3	2017-05-26	ES2613879
CN102138092	B	2017-04-26	CN102138092B
CA2734718	C	2017-04-25	CA2734718
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JP5967671	B2	2016-07-15	JP5967671
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EP2159616	A1	2010-03-03	EP2159616				

Abstract

(EP2321687)

A **fiber optic** cable (22) assembly including a **fiber optic** cable (22) and a furcation body (26) is disclosed. An attachment feature in the form of a clip (50) can be provided to mount the furcation body to a mounting surface of **fiber optic** equipment for securing a portion of the **fiber optic** cable assembly to the **fiber optic** equipment. The attachment feature or the furcation body may include an integrated anti-rotation feature to inhibit rotation of the furcation body with respect to a mounting surface. The anti-rotation feature is provided by one or more generally planar surfaces (46a-d) of the furcation body for abutting with at least one complementary planar mounting surface.

Inventors

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Latest standardized assignees - inventors removed

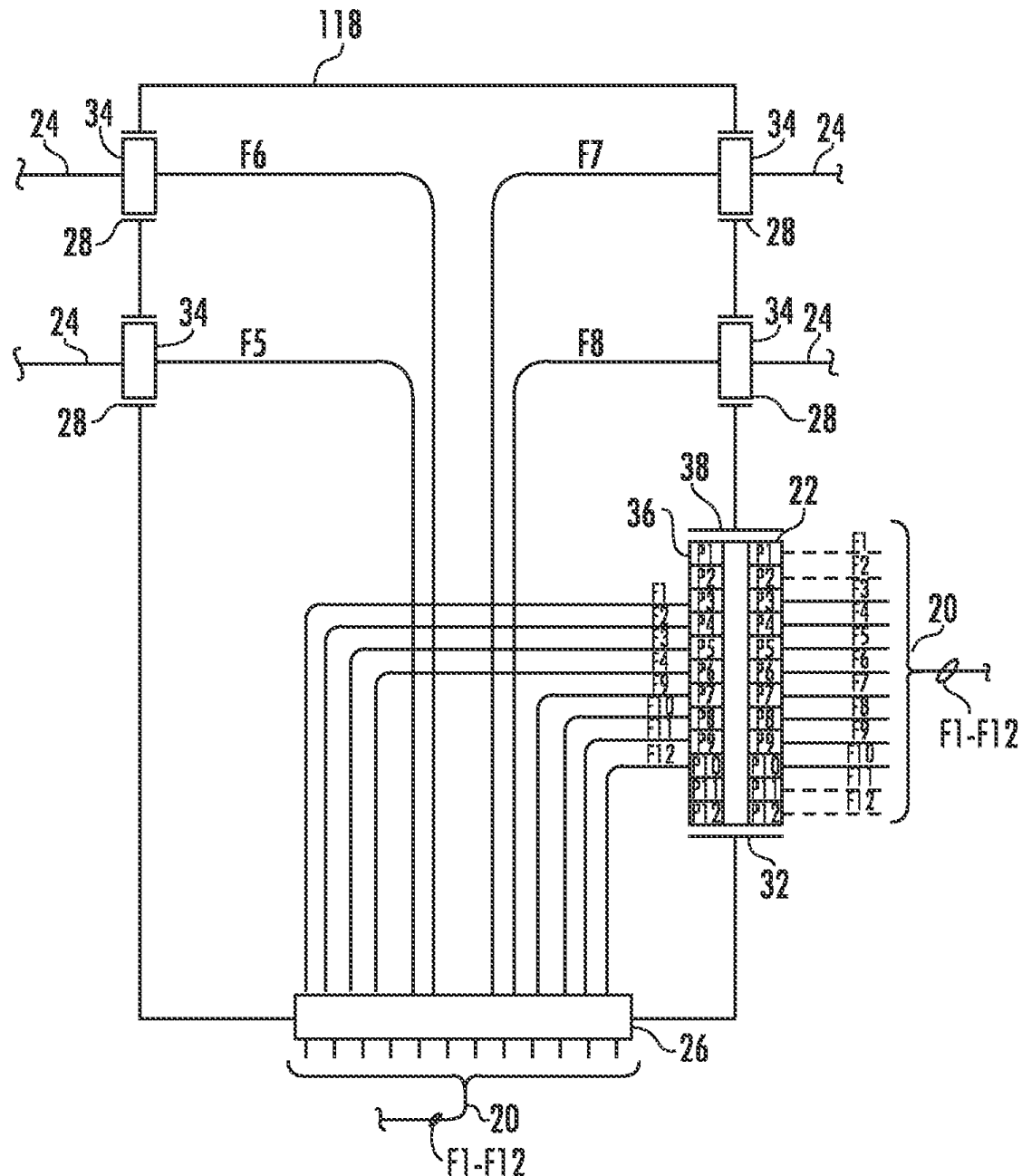
CORNING OPTICAL COMMUNICATIONS

Family 2/100 - FAMPAT - ©Questel

Title

(EP2435872)

Port mapping for series connected **fiber optic** terminals**Images**



Publication data including kind & date

CA2761129	C	2019-03-12	CA2761129
US9482840	B2	2016-11-01	US9482840
CN102449522	B	2015-09-30	CN102449522B
EP2435872	B1	2013-10-30	EP2435872
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CA2761129	A1	2010-10-02	CA2761129



Abstract

(EP2435872)

Fiber optic cable assemblies (40) and **fiber optic** terminals (318-1,318-2) supporting port mapping for series connected **fiber optic** terminals are disclosed. In one embodiment, a **fiber optic** cable assembly (40) is provided. The **fiber optic** cable assembly (40) includes a **fiber optic** cable (41) having a plurality of optical fibers disposed therein between a first end (42)

and a second end (43) of the fiber optic cable (41). The plurality of optical fibers on the first end (42) of the fiber optic cable (41) are provided according to a first mapping. The plurality of optical fibers on the second end (43) of the fiber optic cable (41) are provided according to a second mapping. In this regard, the fiber optic cable assembly (40) provides port mapping of optical fibers to allow multiple fiber optic terminals (318-1, 318-2) having the same internal fiber mapping to be connected in series in any order, while providing the same connectivity to each of the terminals (318-1, 318-2) in the series.

Inventors

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Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

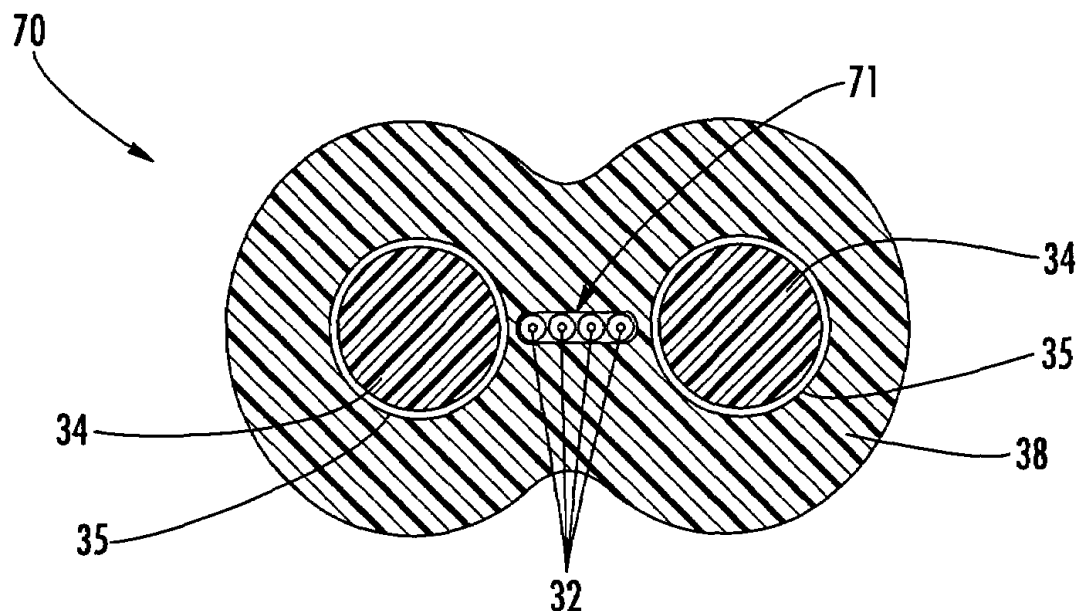
Family 3/100 - FAMPAT - ©Questel

Title

(EP2215508)

Fiber optic cables and assemblies for fiber toward the subscriber applications

Images



Publication data including kind & date

CN104297876	A	2015-01-21	CN104297876
CN101925841	B	2014-11-19	CN101925841B
AU2010201456	B2	2012-12-06	AU2010201456
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EP2353233	B1	2014-01-22	EP2353233				
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Abstract

(EP2350724)

A shelf for a **fiber optic** network device is disclosed. The shelf comprises a platform having a top side and a bottom side. The platform is adapted to removably affix to a base of an optical connection terminal having a port disposed through the base such that the platform positions above the port. The shelf includes an access opening extending through the platform from the top side to the bottom side. The access opening provides access to the port from the top side. A transition area extends from the access opening. The transition area is adapted for routing optical fibers disposed in the optical connection terminal between a space under the platform and the top side. A component area is located on the top side, and adapted for mounting a component. At least one of the optical fibers disposed in the optical connection terminal extends from the

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US20130004136	A1	2013-01-03	US20130004136				
WO2013/003303	A1	2013-01-03	WO201303303				

Abstract

(EP2726928)

Fiber optic equipment assemblies employing non-U-width-sized housings supporting U-sized **fiber optic** modules, and related methods are disclosed. In one embodiment, the assembly may include the non-U-width-sized housing (58), at least one **fiber optic** equipment support member (68), and at least one U-sized **fiber optic** module (54). The non-U-width-sized housing may include an **enclosure** (60) forming an internal cavity (66). The at least one **fiber optic** equipment support member may be disposed within the internal cavity and configured to support at least one U-sized **fiber optic** module. The at least one U-sized **fiber optic** module may be disposed within the at least one **fiber optic** equipment support member (68) which may be disposed within the internal cavity. The at least one U-sized **fiber optic** module may have a height dimension wherein at least three of the at least one U-sized **fiber optic** module may be disposed within a U-unit height of unity.

Inventors

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Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

Family 6/100 - FAMPAT - ©Questel

Title

(EP2612188)

Methods, apparatuses for providing secure **fiber optic** connections**Images**

connector on the end of a **fiber optic** cable is connected to a **fiber optic** adapter on the **fiber optic** adapter panel, the **fiber optic** cable is allowed to pass through a cut-out area of the locking plate but a finger portion of the locking plate does not allow the **fiber optic** connector to pass through the cut-out area. A lock disposed on the locking plate is configured to keep the locking plate in the selected position. The locking apparatus may also be used to securely store unused or unconnected ports of an optical splitter in a separate **enclosure**, such as a parking lot compartment.

Inventors

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Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

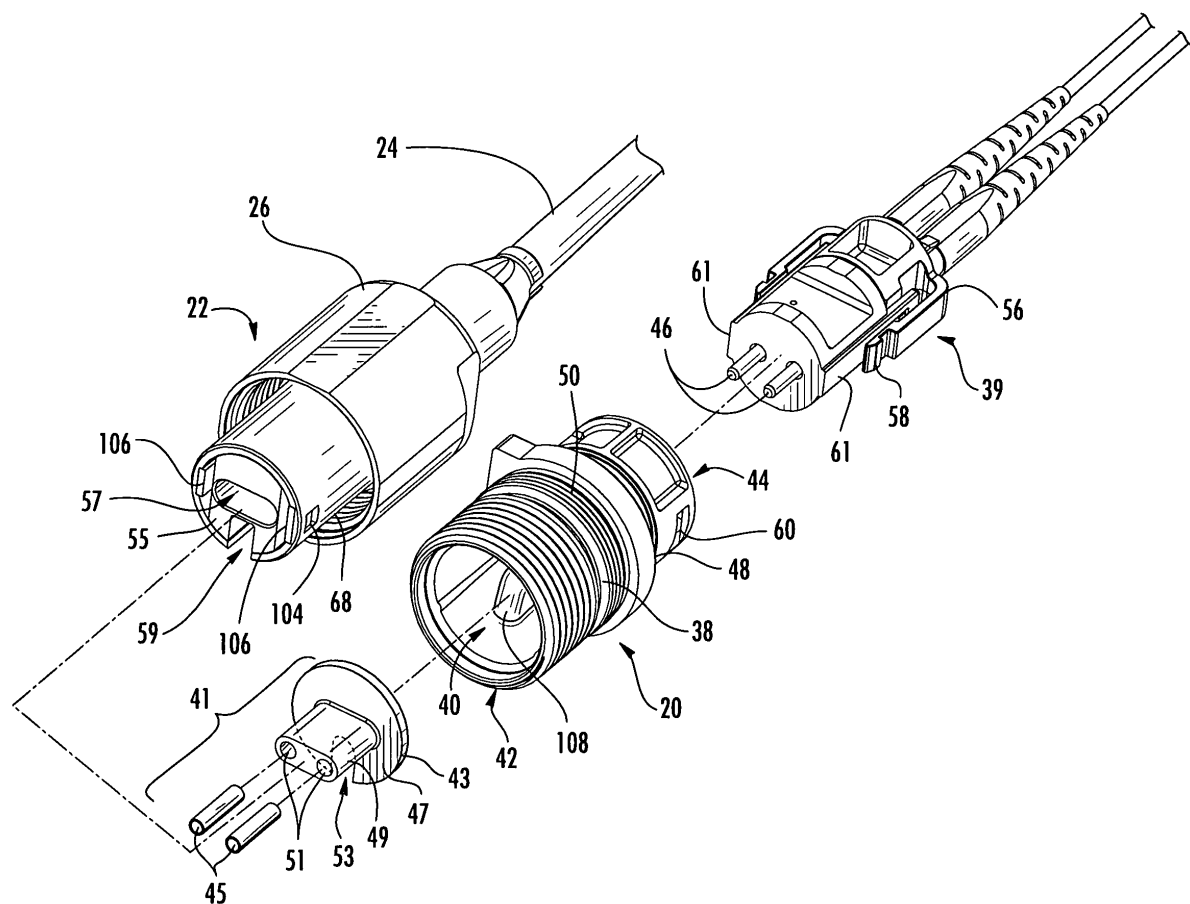
Family 7/100 - FAMPAT - ©Questel

Title

(EP1934643)

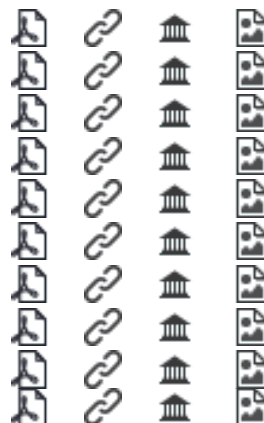
Fiber optic receptacle and plug assembly including alignment sleeve insert

Images



Publication data including kind & date

CA2623190	C	2012-01-17	CA2623190
JP4864974	B2	2011-11-18	JP4864974
AU2006295165	B2	2010-10-21	AU2006295165
CN101268396	B	2010-09-29	CN101268396B
EP2184629	A1	2010-05-12	EP2184629
EP1934643	A4	2009-05-06	EP1934643
JP2009509205	A	2009-03-05	JP2009509205
CN101268396	A	2008-09-17	CN101268396
EP1934643	A1	2008-06-25	EP1934643



US7244066	B2	2007-07-17	US7244066
AU2006295165	A1	2007-04-05	AU2006295165
CA2623190	A1	2007-04-05	CA2623190
WO2007/037990	A1	2007-04-05	WO200737990
US20060193562	A1	2006-08-31	US20060193562



Abstract

(EP1934643)

A **fiber optic** receptacle and plug assembly includes a **fiber optic** receptacle adapted to be mounted within a connector port of a network connection terminal and a **fiber optic** plug mounted upon an end of a **fiber optic** cable, wherein the **fiber optic** receptacle and the **fiber optic** plug comprise complimentary alignment and keying features that allow the **fiber optic** receptacle to receive only a **fiber optic** plug of like ferrule configuration. The **fiber optic** receptacle includes an alignment sleeve insert operable for receiving and optically connecting at least one receptacle ferrule and at least one opposing plug ferrule. The receptacle is suitable for use in enclosures requiring a minimal receptacle penetration depth, wherein the **fiber optic** receptacle comprises a shoulder that is secured against an inner wall of the **enclosure** to provide strain relief against cable-pulling forces of up to about 600 lbs.

Inventors

THEUERKORN THOMAS

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

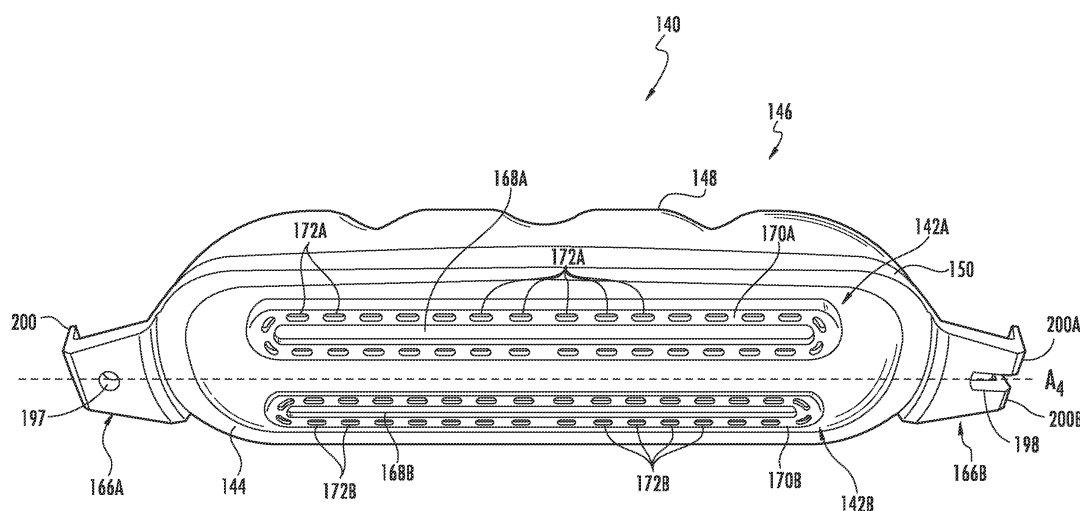
Family 8/100 - FAMPAT - ©Questel

Title

(EP2633354)

Impact resistant **fiber optic** enclosures and related methods

Images



Publication data including kind & date

CN103221863	B	2016-06-01	CN103221863B
US8755663	B2	2014-06-17	US8755663
EP2633354	A1	2013-09-04	EP2633354
CN103221863	A	2013-07-24	CN103221863
AU2011319841	A1	2013-05-30	AU2011319841
CA2816059	A1	2012-05-03	CA2816059



[US20120106913](#)

A1 2012-05-03 US20120106913

[WO2012/058391](#)

A1 2012-05-03 WO201258391

**Abstract**

(EP2633354)

Impact resistant **fiber optic** enclosures for **fiber optic** components and related methods are disclosed. In one embodiment, a **fiber optic enclosure** is provided and comprises a housing comprising a base (14), a cover (16) and a seal (34) disposed between the cover and the base to secure the cover to the base and define an interior cavity configured to support one or more **fiber optic** components. At least one expandable joint (36) is disposed in the housing and configured to deflect and/or assist in deflecting an impact load applied to the housing. In this manner, any **fiber optic** components disposed in the interior cavity are protected from being damaged and/or from being exposed to the environment outside of the interior cavity. The at least one expandable joint may be disposed in at least one of the cover and the base. The at least one expandable joint may comprise two expandable joints as another example.

Inventors

MAKRIDES-SARAVANOS ELLI

STRAUSE CRAIG A

STRAUSE KEVIN L

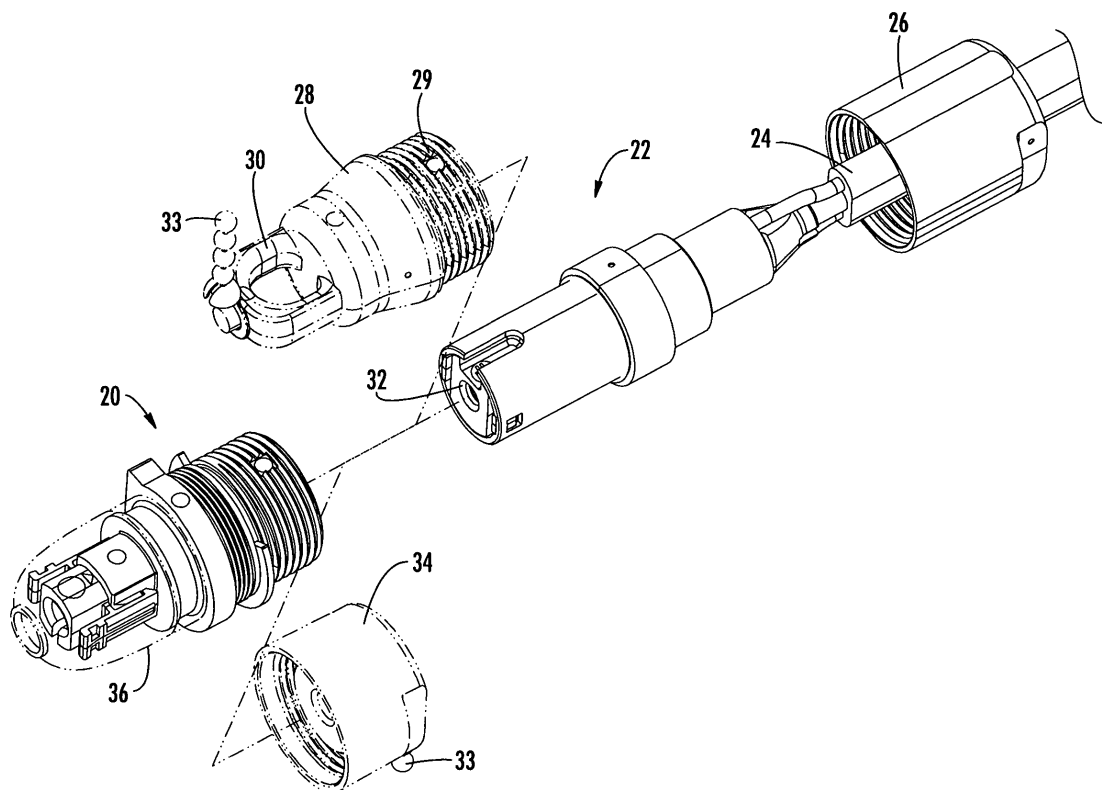
Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

Family 9/100 - FAMPAT - ©Questel

Title

(EP1782114)

Fiber optic receptacle and plug assemblies with alignment and keying features**Images****Publication data including kind & date**[JP4871862](#)

B2 2012-02-08 JP4871862

[CA2576507](#)

C 2011-11-22 CA2576507

[AU2005278173](#)

B2 2011-08-25 AU2005278173

[CN101006376](#)

B 2011-01-26 CN101006376B



ES2350047	T3	2011-01-17	ES2350047				
DE602005022732	D1	2010-09-16	DE602005022732				
AT476679	T	2010-08-15	ATE476679				
EP1782114	B1	2010-08-04	EP1782114				
JP2008501145	A	2008-01-17	JP2008501145				
CN101006376	A	2007-07-25	CN101006376				
EP1782114	A1	2007-05-09	EP1782114				
MX2007001583	A	2007-04-20	MX2007001583				
US7137742	B2	2006-11-21	US7137742				
AU2005278173	A1	2006-03-02	AU2005278173				
CA2576507	A1	2006-03-02	CA2576507				
US20060045428	A1	2006-03-02	US20060045428				
US20060045430	A1	2006-03-02	US20060045430				
WO2006/022840	A1	2006-03-02	WO200622840				

Abstract

(EP1782114)

A **fiber optic** receptacle and plug assembly comprising a **fiber optic** receptacle (20) adapted to be mounted within a connector port of a network connection terminal and a **fiber optic** plug (22) mounted upon an end of a **fiber optic** cable, wherein the **fiber optic** receptacle and the **fiber optic** plug comprise complimentary alignment and keying features (94) that allow the **fiber optic** receptacle to receive only a **fiber optic** plug of like ferrule configuration. The **fiber optic** plug comprises an alignment sleeve (74) operable for receiving and optically connecting at least one plug ferrule and at least one receptacle ferrule. The receptacle is suitable for use in enclosures requiring a minimal receptacle penetration depth, wherein the **fiber optic** receptacle comprises a shoulder (48) that is secured against an inner wall of the **enclosure** to provide strain relief against cable pulling forces of up to about 600 lbs.

Inventors

THEUERKORN THOMAS

NORRIS MARTIN E

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

Family 10/100 - FAMPAT - ©Questel

Title

(EP1982223)

Fiber optic cable having a dry insert and methods of making the same

Images

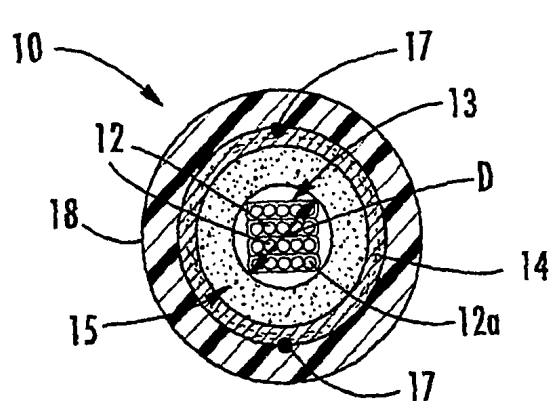


FIG. 1

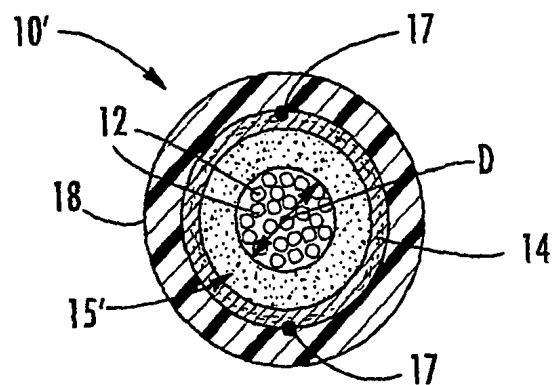


FIG. 1a

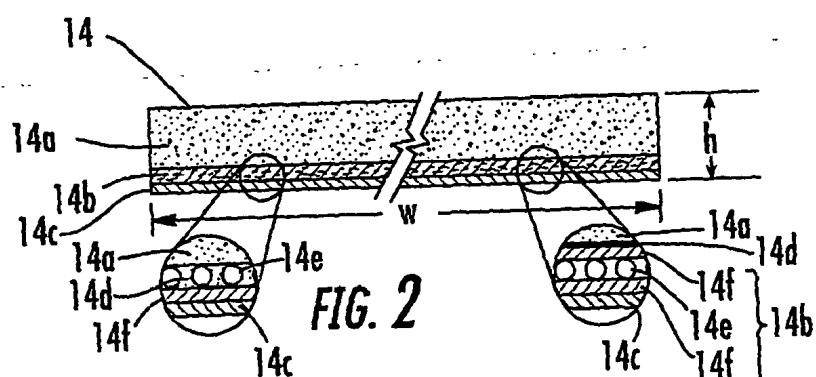


FIG. 2

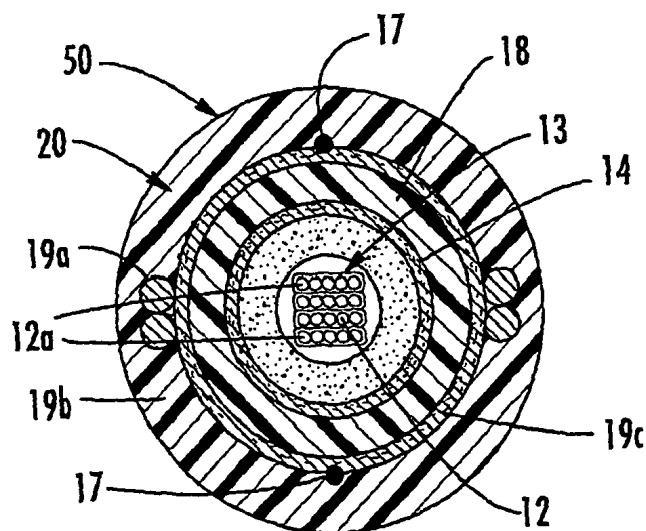


FIG. 5

Publication data including kind & date

ES2614633	T3	2017-06-01	ES2614633
EP1982223	B1	2016-11-09	EP1982223
CA2642016	C	2015-10-13	CA2642016
JP5410097	B2	2013-11-15	JP5410097
AU2006337663	B2	2012-08-30	AU2006337663
EP1982223	A4	2012-08-29	EP1982223
CN101401018	B	2011-11-16	CN101401018B



JP2009526266	A	2009-07-16	JP2009526266
CN101401018	A	2009-04-01	CN101401018
AU2006337663	A2	2008-10-30	AU2006337663
EP1982223	A1	2008-10-22	EP1982223
AU2006337663	A1	2007-08-16	AU2006337663
CA2642016	A1	2007-08-16	CA2642016
WO2007/092046	A1	2007-08-16	WO200792046



Abstract

(EP1982223)

A **fiber optic** cable and a method of making the same include at least one optical waveguide, at least one dry insert and a cable jacket. The at least one optical waveguide and at least one dry insert are at least partially disposed within a cavity of the cable jacket. In one embodiment, the cable includes a first dry insert and a second dry insert disposed within the cavity so that the at least one optical waveguide is disposed between the first dry insert and the second dry insert.

Inventors

GREENWOOD JODY L

TEMPLE KENNETH D JR

LAIL KEITH H

SEDDON DAVID A

TUTTLE RANDALL

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

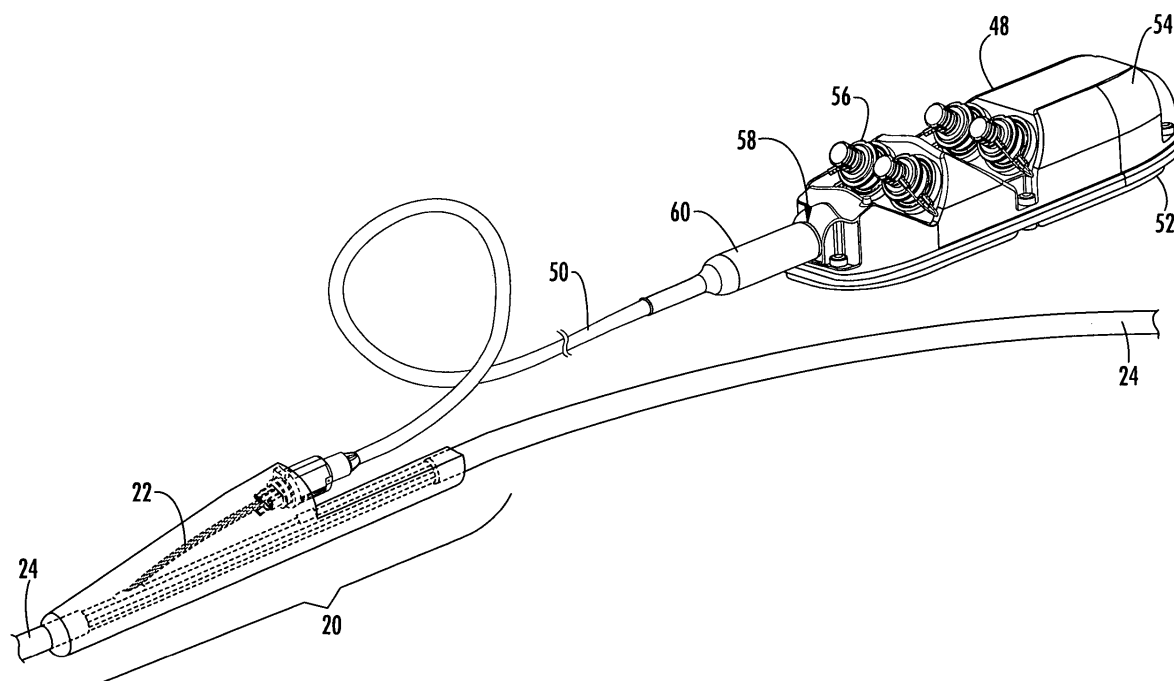
Family 11/100 - FAMPAT - ©Questel

Title

(EP1807723)

Pre-connectorized **fiber optic** distribution cable having overmolded access location

Images



Publication data including kind & date

ES2382338	T3	2012-06-07	ES2382338
AT547730	T	2012-03-15	ATE547730
EP1807723	B1	2012-02-29	EP1807723



AU2005305313	B2	2011-04-07	AU2005305313				
US7658549	B2	2010-02-09	US7658549				
CN100578274	C	2010-01-06	CN100578274C				
US20080019641	A1	2008-01-24	US20080019641				
JP2008501152	A	2008-01-17	JP2008501152				
CN101091132	A	2007-12-19	CN101091132				
US7266274	B2	2007-09-04	US7266274				
EP1807723	A1	2007-07-18	EP1807723				
MX2007005301	A	2007-07-04	MX2007005301				
AU2005305313	A1	2006-05-18	AU2005305313				
CA2586113	A1	2006-05-18	CA2586113				
WO2006/052355	A1	2006-05-18	WO200652355				
US20060093278	A1	2006-05-04	US20060093278				

Abstract

(EP1807723)

A pre-connectorized **fiber optic** distribution cable assembly includes a plurality of optical fibers and at least one mid-span access location along the length of the distribution cable. At least one of the optical fibers is accessed, terminated and then connectorized at the mid-span access location to an optical connector disposed within a receptacle. The mid-span access location, the accessed, terminated and connectorized optical **fiber**, the optical connector and at least a portion of the receptacle are encapsulated with a protective overmolded shell. A tether including at least one optical **fiber** connectorized at a first end of the tether is optically connected to the optical connector through the receptacle. A second end of the tether opposite the first end terminates in a network optical connection terminal, thereby compensating for a span length measurement difference between the actual location of the mid-span access and the desired location of the optical connection terminal.

Inventors

ELKINS ROBERT B II

NIELSEN LARS K

THEUERKORN THOMAS

LUTHER JAMES P

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

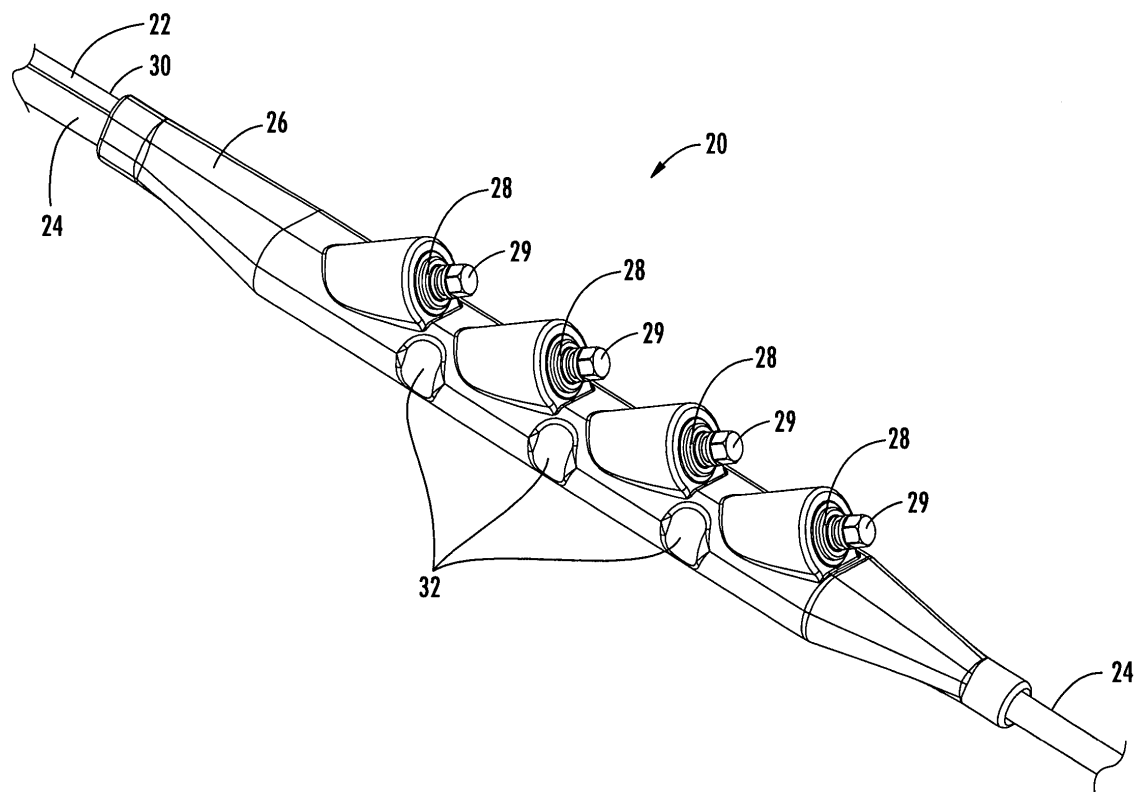
Family 12/100 - FAMPAT - ©Questel

Title

(WO200660091)

Adjustable tether assembly for **fiber optic** distribution cable

Images



Publication data including kind & date

JP2008501153	A	2008-01-17	JP2008501153
US7228036	B2	2007-06-05	US7228036
WO2006/060091	A1	2006-06-08	WO2006060091
US20060115220	A1	2006-06-01	US20060115220



Abstract

(WO2006/060091)

An adjustable tether assembly for a **fiber optic** distribution cable includes a tether cable and an overmolded housing secured at the end of the tether cable having at least one connector port. The tether assembly is attached to the distribution cable such that the position of the connector port is adjustable along the length of the distribution cable for mitigating differences between the pre-engineered span length distance and the actual span length distance following installation of the distribution cable. A method for mitigating a span length measurement difference in a pre-engineered **fiber optic** communications network is provided that includes optically connecting an adjustable tether assembly at a mid-span access location of a **fiber optic** distribution cable and positioning a housing secured at the free end of a tether cable having at least one connector port at a desired location in the network to compensate for the span length measurement difference.

Inventors

ELKINS ROBERT B II
KNECHT DENNIS M
LUTHER JAMES P
NIELSEN LARS K
THEUERKORN THOMAS

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

Family 13/100 - FAMPAT - ©Questel

Title

(EP2312354)

Multi-**fiber optic** receptacle and plug assembly

Images

EP1861739	A1	2007-12-05	EP1861739				
MX2007010834	A	2007-11-09	MX2007010834				
US7264402	B2	2007-09-04	US7264402				
US20070172172	A1	2007-07-26	US20070172172				
AU2005329050	A1	2006-09-21	AU2005329050				
AU2005329050	A2	2006-09-21	AU2005329050				
CA2599770	A1	2006-09-21	CA2599770				
CA2732530	A1	2006-09-21	CA2732530				
WO2006/098734	A1	2006-09-21	WO200698734				
US20060204178	A1	2006-09-14	US20060204178				

Abstract

(EP2312354)

A **fiber optic** receptacle and plug assembly adapted to be mounted within an opening through a wall of a connection terminal. The receptacle and plug define complimentary alignment and keying features for ensuring that the plug is mated with the receptacle in a predetermined orientation. An alignment sleeve is disposed within the plug for receiving a multi-**fiber** receptacle ferrule and a multi-**fiber** plug ferrule. The **fiber optic** receptacle and corresponding plug each include a biasing member assembly for urging the receptacle ferrule and the plug ferrule towards one another, wherein the biasing member assembly includes a round spring, a spring centering cuff and a ferrule boot that operatively engage the rear of the receptacle ferrule and the plug ferrule, respectively, to substantially center a spring biasing force on the end face of the receptacle ferrule and the plug ferrule.

Inventors

THEUERKORN THOMAS

LUTHER JAMES P

NORRIS MARTIN E

Latest standardized assignees - inventors removed

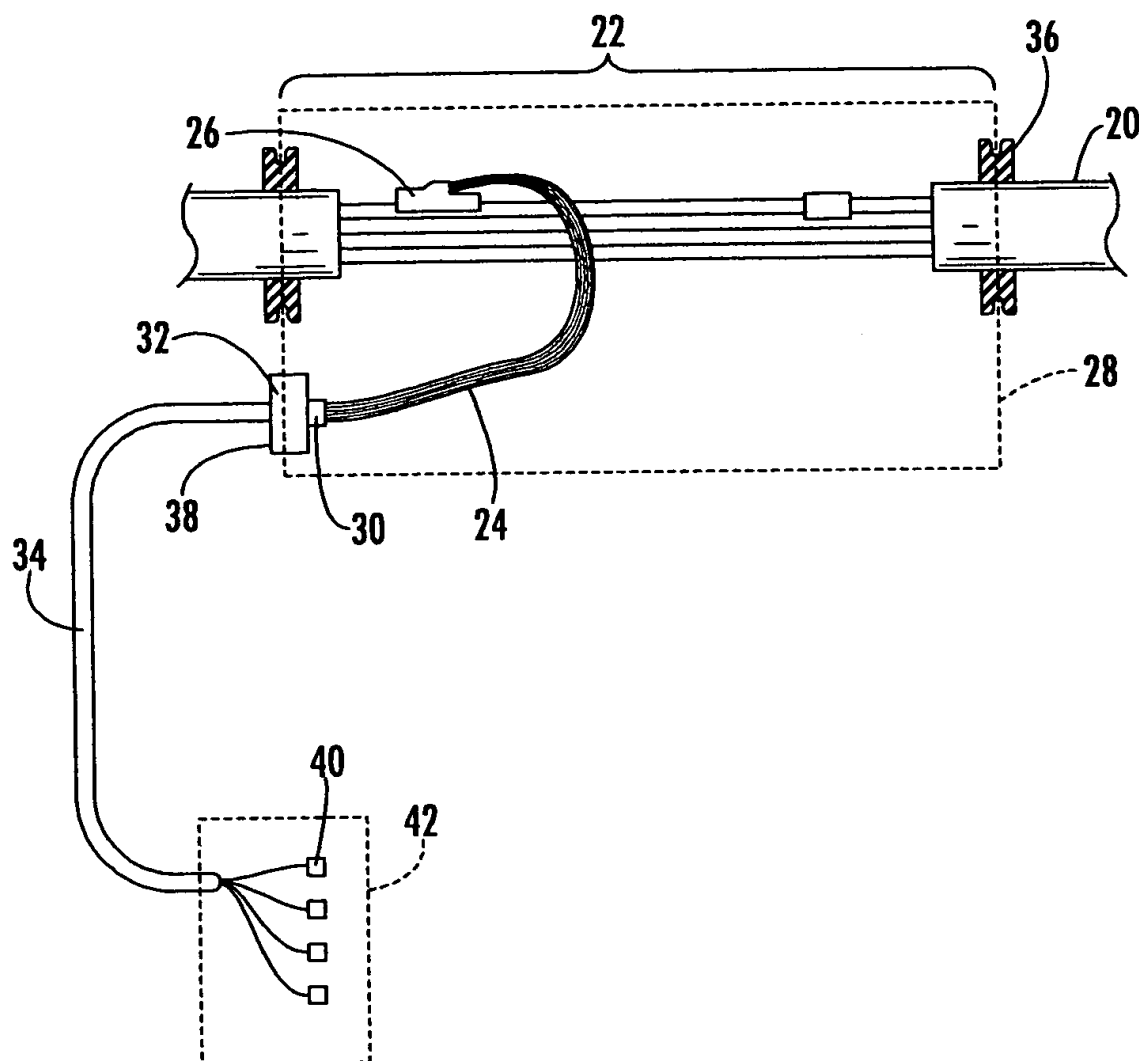
CORNING OPTICAL COMMUNICATIONS

Family 14/100 - FAMPAT - ©Questel

Title

(WO200644080)

Pre-connectorized **fiber optic** distribution cable having multifiber connector**Images**



Publication data including kind & date

JP2008501151	A	2008-01-17	JP2008501151
US7088893	B2	2006-08-08	US7088893
WO2006/044080	A1	2006-04-27	WO200644080
US20050111800	A1	2005-05-26	US20050111800



Abstract

(WO2006/044080)

A factory-prepared preterminated and pre-connectorized **fiber optic** distribution cable having at least one mid-span access location for providing access to a plurality of preterminated optical fibers pre-connectorized with a multi-**fiber** connector is provided. The **fiber optic** distribution cable provides a low profile mid-span access location that is sufficiently flexible to be installed through relatively small-diameter buried conduits and over **aerial** installation sheave wheels and pulleys without violating the minimum bend radius of the cable or the optical fibers. A protective encapsulant protects and seals the mid-span access location during cable reeling, unreeling, installation and until the access location is needed for interconnecting a connectorized **fiber optic** drop or branch cable.

Inventors

COOKE TERRY L
ELKINS II ROBERT B
JOHNSON JOHN B
KNECHT DENNIS M

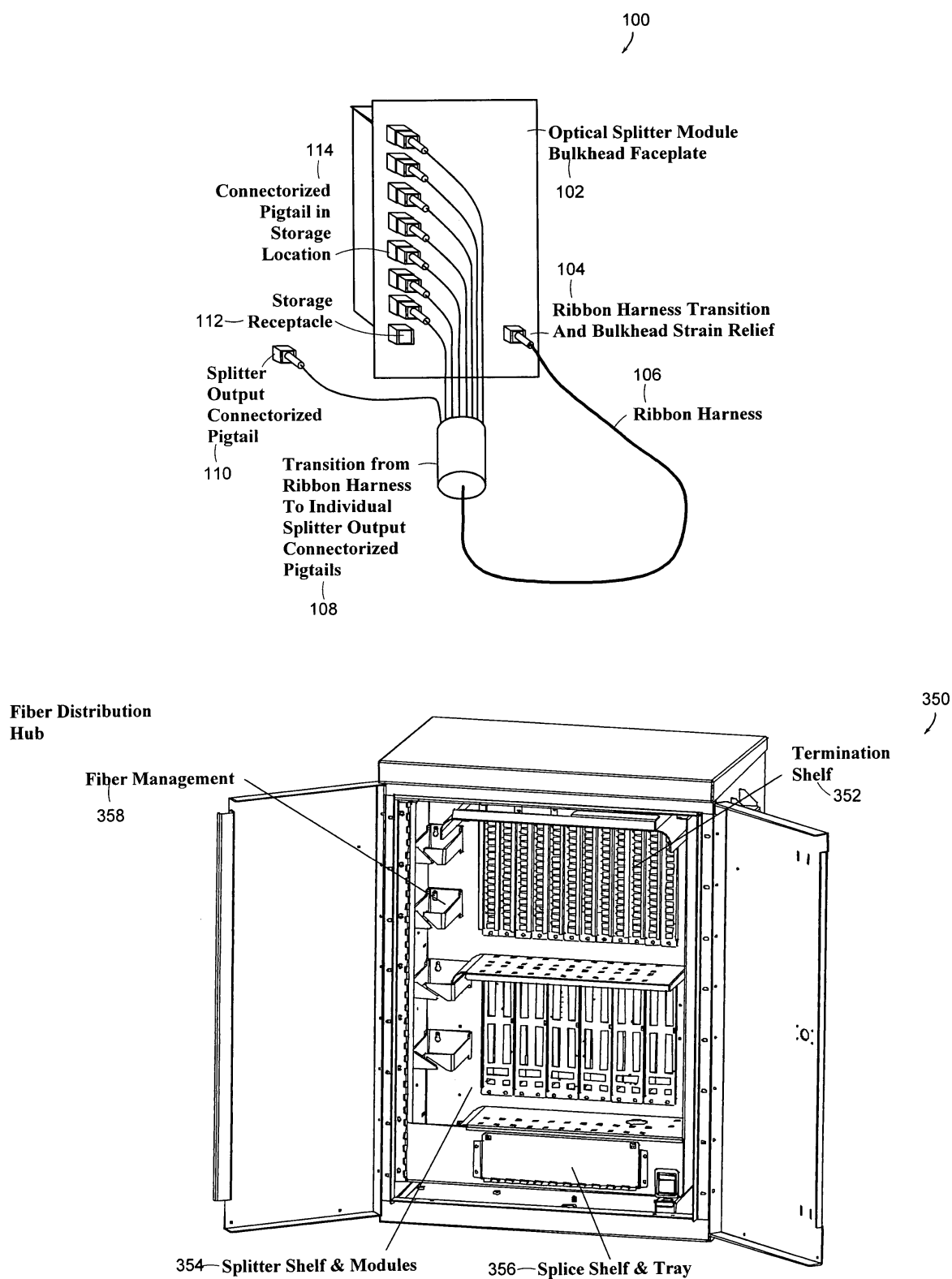
Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

Family 15/100 - FAMPAT - ©Questel

Title

(EP1692556)

Frame for optical **fiber** distribution and management, and associated methods**Images****Publication data including kind & date**

IN290186

B 2017-12-08 IN-290186

ES2608892

T3 2017-04-17 ES2608892



EP1914578	B1	2016-11-09	EP1914578				
CN101923195	B	2014-09-24	CN101923195B				
ES2457397	T3	2014-04-25	ES2457397				
EP2264499	B1	2014-03-19	EP2264499				
KR101249602	B1	2013-04-01	KR101249602				
CA2546072	C	2013-01-15	CA2546072				
KR101205756	B1	2012-11-29	KR101205756				
ES2389621	T3	2012-10-29	ES2389621				
EP2264501	B1	2012-07-25	EP2264501				
US8224145	B2	2012-07-17	US8224145				
KR20120034797	A	2012-04-12	KR20120034797				
US20110262100	A1	2011-10-27	US20110262100				
US8005335	B2	2011-08-23	US8005335				
JP4728249	B2	2011-04-22	JP4728249				
AU2008203181	B2	2011-02-10	AU2008203181				
EP2264499	A3	2011-01-05	EP2264499				
EP2264500	A3	2011-01-05	EP2264500				
EP2264501	A3	2011-01-05	EP2264501				
CN101923195	A	2010-12-22	CN101923195				
EP2264499	A2	2010-12-22	EP2264499				
EP2264500	A2	2010-12-22	EP2264500				
EP2264501	A2	2010-12-22	EP2264501				
US20100226615	A1	2010-09-09	US20100226615				
HK1100976	A1	2010-06-25	HK1100976				
CN100589003	C	2010-02-10	CN100589003C				
US7646958	B1	2010-01-12	US7646958				
US20090317045	A1	2009-12-24	US20090317045				
AU2008203181	A1	2008-08-07	AU2008203181				
EP1914578	A3	2008-04-30	EP1914578				
EP1914578	A2	2008-04-23	EP1914578				
AU2004292229	B2	2008-04-17	AU2004292229				
JP2007514964	A	2007-06-07	JP2007514964				
IN1644/KOLNP/2006	A	2007-05-11	IN2006KN01644				
US7200317	B2	2007-04-03	US7200317				
CN1922525	A	2007-02-28	CN1922525				
US7171102	B2	2007-01-30	US7171102				
KR20060132603	A	2006-12-21	KR20060132603				
US7146089	B2	2006-12-05	US7146089				
US7103255	B2	2006-09-05	US7103255				
EP1692556	A2	2006-08-23	EP1692556				
US7088899	B2	2006-08-08	US7088899				
US20060008232	A1	2006-01-12	US20060008232				
US20060008233	A1	2006-01-12	US20060008233				
US20060008234	A1	2006-01-12	US20060008234				
US6983095	B2	2006-01-03	US6983095				
US20050232567	A1	2005-10-20	US20050232567				
WO2005/050277	A3	2005-09-15	WO200550277				
US20050129379	A1	2005-06-16	US20050129379				

AU2004292229	A1	2005-06-02	AU2004292229				
CA2546072	A1	2005-06-02	CA2546072				
WO2005/050277	A2	2005-06-02	WO200550277				
US20050105873	A1	2005-05-19	US20050105873				

Abstract

(EP1692556)

The preferred embodiments of the present invention include an optical splitter module (100, 132) having connectorized optical fibers that are stored on the bulkhead faceplate (102) of the module (132). The module (100, 132) includes an optical splitter output harness (106, 130), for example, a ribbon cable assembly attached to the bulkhead (102) with rugged strain mechanism (104). The ribbon harness is converted to individual optical fibers with connectors which are stored on adapter receptacles (112) on the faceplate. Adapter receptacles (112) used may optionally be half receptacles when storage is the only desired function or may be full receptacles when access to the optical **fiber** ferrule tip is required. Access to the ferrule tip may be required for attaching **fiber optic** terminators to eliminate undesirable reflections caused by unterminated connectors. The module (100, 132) provides an administrative location for splitter outputs prior to being connected individually into service. The module also provides an administrative storage location for splitter outputs taken out of service as a temporary staging area.

Inventors

REAGAN RANDY

GNIADEK JEFF

PARSONS TOM

NOONAN MICHAEL

Latest standardized assignees - inventors removed

COMMSCOPE TECHNOLOGIES

COMMSCOPE

ANDREW

REDWOOD SYSTEMS

ARRIS

RUCKUS WIRELESS

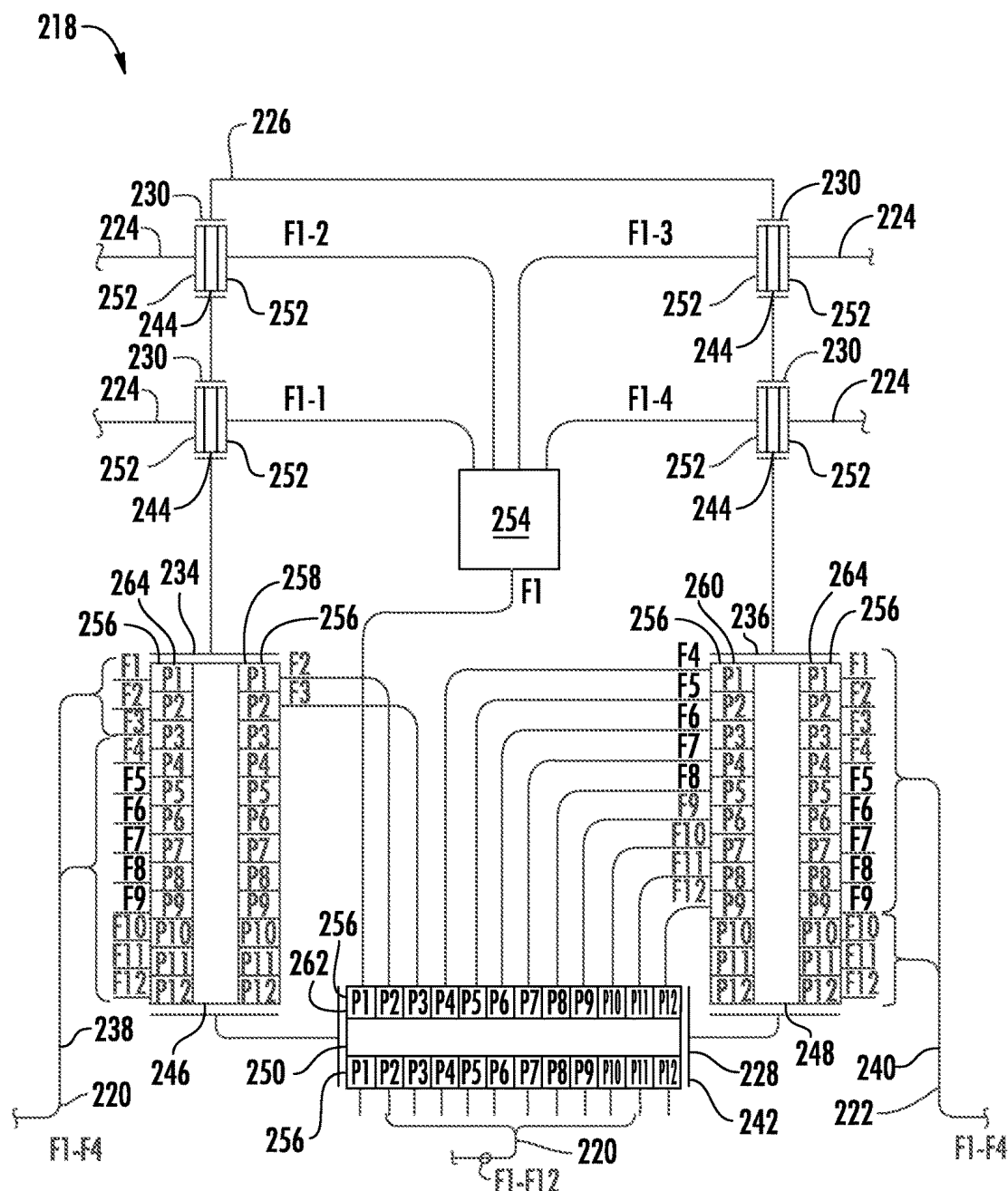
Family 16/100 - FAMPAT - ©Questel

Title

(US9989705)

Fiber optic distribution network employing **fiber optic** distribution assemblies of the same type, and related devices, components, and methods

Images



Publication data including kind & date

US9989705

B2 2018-06-05

US9989705

US20180128982

A1 2018-05-10

US20180128982



Abstract

(US20180128982)

A **fiber optic** distribution assembly includes a plurality of **fiber optic** connectors, each having a plurality of ports arranged in the same predetermined port configuration. The predetermined port configuration has a plurality of port positions. Each of a group of N first optical fibers is optically connected to a first (e.g., input) **fiber optic** connector at port positions 1 through N of the predetermined port configuration, to support a group of N drop connections. A plurality of M second optical fibers is connected between ports (N+1) through (M+N) of the first **fiber optic** connector and ports 1 through M of a second (e.g., lateral) **fiber optic** connector. A plurality of P third optical fibers is connected between ports (M+N+1) through (M+N+P) of the first **fiber optic** connector and ports 1 through P of a third (e.g., distribution) **fiber optic** connector.

Inventors

JENSEN JOSEPH CLINTON

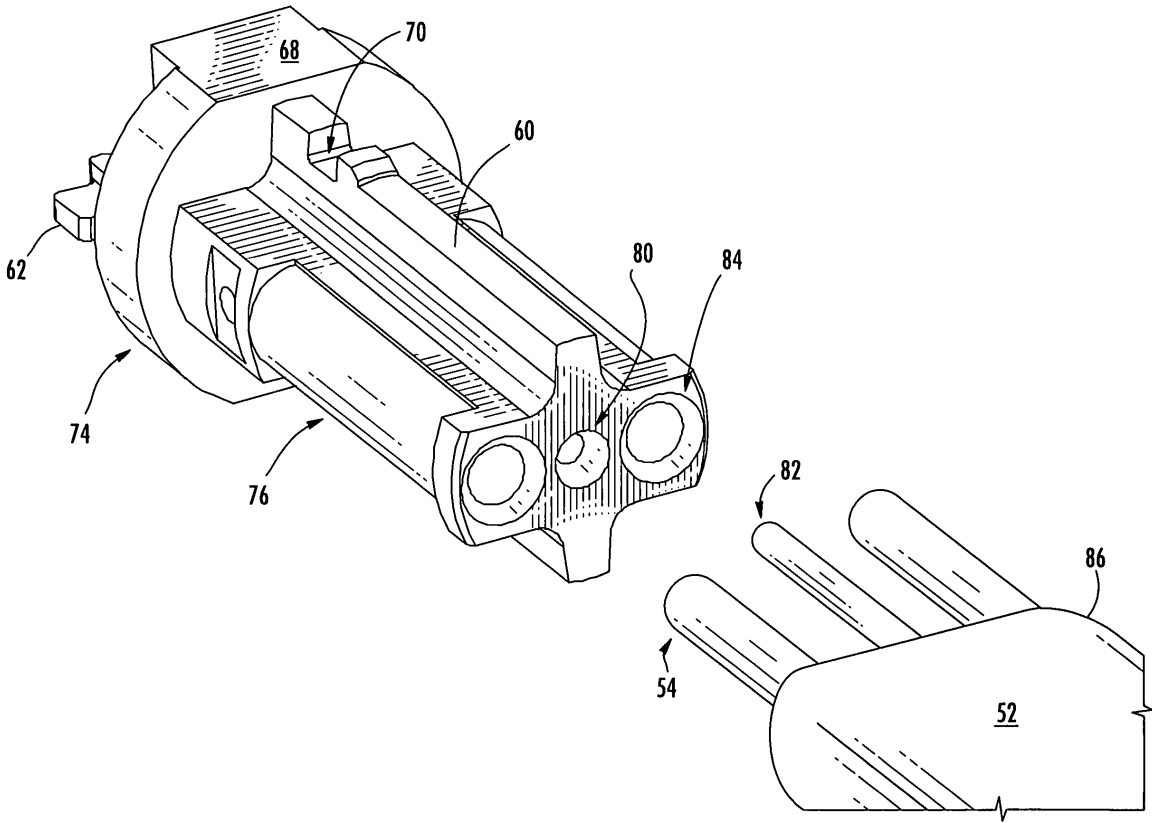
Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

Family 17/100 - FAMPAT - ©Questel

Title
(EP2052286)
Ruggedized **fiber optic** connector assembly

Images



Publication data including kind & date

US8523455	B2	2013-09-03	US8523455
CN101501544	B	2012-10-10	CN101501544B
AU2007284524	B2	2012-06-14	AU2007284524
ES2376598	T3	2012-03-15	ES2376598
PT2052286	E	2012-02-06	PT2052286
AT534926	T	2011-12-15	ATE534926
EP2052286	B1	2011-11-23	EP2052286
JP4524277	B2	2010-06-04	JP4524277
US20090310916	A1	2009-12-17	US20090310916
CN101501544	A	2009-08-05	CN101501544
US7568844	B2	2009-08-04	US7568844
EP2052286	A2	2009-04-29	EP2052286
WO2008/021351	A3	2008-05-22	WO200821351
JP2008052236	A	2008-03-06	JP2008052236
AU2007284524	A1	2008-02-21	AU2007284524
US20080044137	A1	2008-02-21	US20080044137
WO2008/021351	A2	2008-02-21	WO200821351



Abstract
(EP2052286)

A ruggedized **fiber optic** connector assembly (40) includes a substantially hollow plug housing(42); and a glue body (60) disposed within the substantially hollow plug housing; wherein the glue body includes a first portion that is configured to engage and retain an optical cable (52) comprising an optical **fiber** and one or more strength members; wherein the glue body includes a second portion that is configured to engage and retain a connector sub-assembly (44) comprising an optical ferrule (46); wherein the second portion of the glue body includes a pair of opposed snap hooks (62) that are configured to engage a corresponding pair of opposed recesses (64) of the connector sub-assembly; and wherein the optical **fiber** and the optical ferrule are optically coupled.

Inventors

LUTHER JAMES

THEUERKORN THOMAS

LIU XIN

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

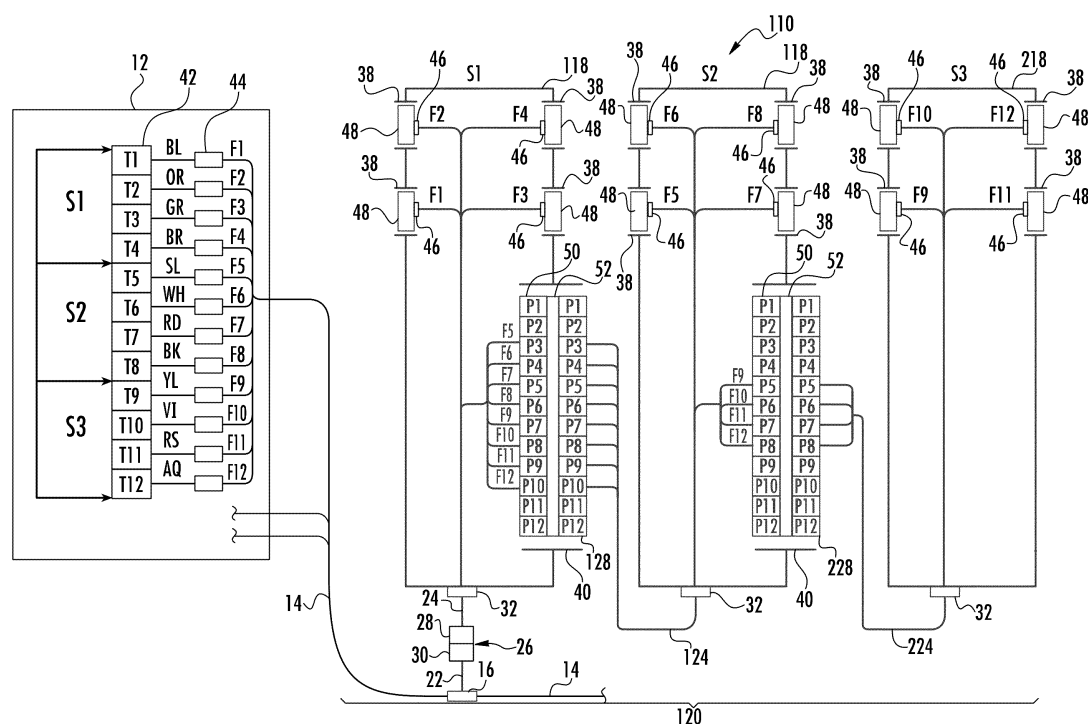
Family 18/100 - FAMPAT - ©Questel

Title

(US9097873)

Port mapping in **fiber optic** network devices

Images



Publication data including kind & date

US9097873	B2	2015-08-04	US9097873
US20150185420	A9	2015-07-02	US20150185420
US20140105539	A1	2014-04-17	US20140105539



Abstract

(US20140105539)

A **fiber optic** network device comprising an input port adapted to receive a multi-**fiber** cable having active optical fibers designated in a consecutive sequence is disclosed. A first plurality and a second plurality of optical fibers are disposed within the **fiber optic** network device. The first plurality of optical fibers aligns to a first section of the consecutive sequence and a second plurality of optical fibers aligns to a second section of the consecutive sequence. A plurality of drop ports in

the **fiber optic** network device are adapted to optically couple ones of the first plurality of optical fibers to at least one drop cable. A pass-through port is adapted to optically couple the second plurality of optical fibers to a second **fiber optic** network device through a multi-**fiber** adapter in a central alignment at the pass-through port.

Inventors

CONNER MARK EDWARD
 FILIPIAK BARTON PIERCE
 JENSEN JOSEPH CLINTON
 SCHNICK GARY BRUCE

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

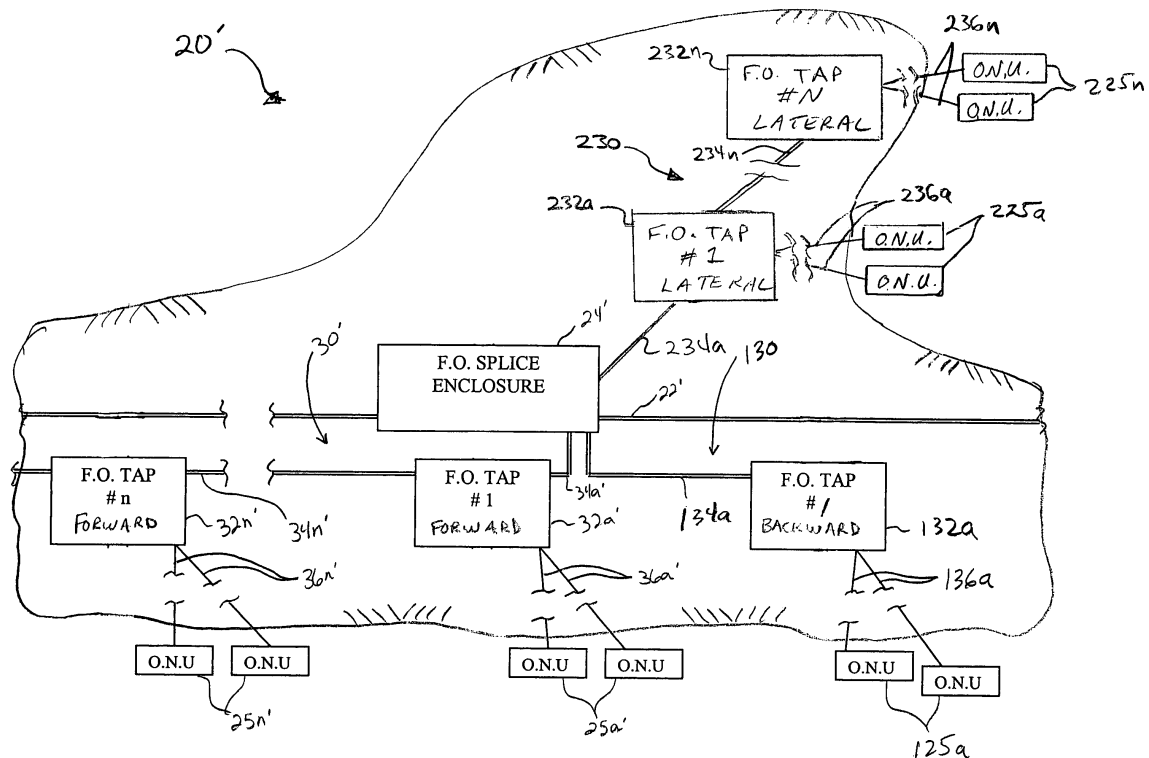
Family 19/100 - FAMPAT - ©Questel

Title

(EP1820289)

Buried **fiber optic** system including a sub-distribution system and related methods

Images



Publication data including kind & date

CA2551449	C	2010-03-09	CA2551449
EP1820289	A2	2007-08-22	EP1820289
AR050897	A1	2006-12-06	AR--50897
US6990279	B2	2006-01-24	US6990279
TWI245139	B	2005-12-11	TWI245139
WO2005/017583	A3	2005-04-14	WO200517583
TW200510815	A	2005-03-16	TW200510815
CA2551449	A1	2005-02-24	CA2551449
WO2005/017583	A2	2005-02-24	WO200517583
US20050036749	A1	2005-02-17	US20050036749



Abstract

(EP1820289)

A buried **fiber optic** cable system (20) includes a distribution cable (22) extending along a buried route, a splice **enclosure** (24) connected to the distribution cable (22) along the buried route, and a first sub-distribution **fiber optic** system (30) extending along the buried route in a first direction away from the **fiber optic** splice **enclosure** (24). The first sub-distribution system (30) may include spaced apart **fiber optic** taps along the buried route, a first sub-distribution **fiber optic** cable between the **fiber optic** splice **enclosure** (24) and a first **fiber optic** tap (32a), and at least one second sub-distribution **fiber optic** cable (34b-34n) between adjacent **fiber optic** taps so that the first sub-distribution **fiber optic** cable (34a) and the at least one second sub-distribution **fiber optic** cable (34b-34n) are arranged in end-to-end relation. The system may also or alternately include a similar lateral sub-distribution system.

Inventors

VOGEL MARK O

GEMME CHRISTOPHER P

ALRUTZ MARK E

LEE MARTIN B

Latest standardized assignees - inventors removed

COMMSCOPE

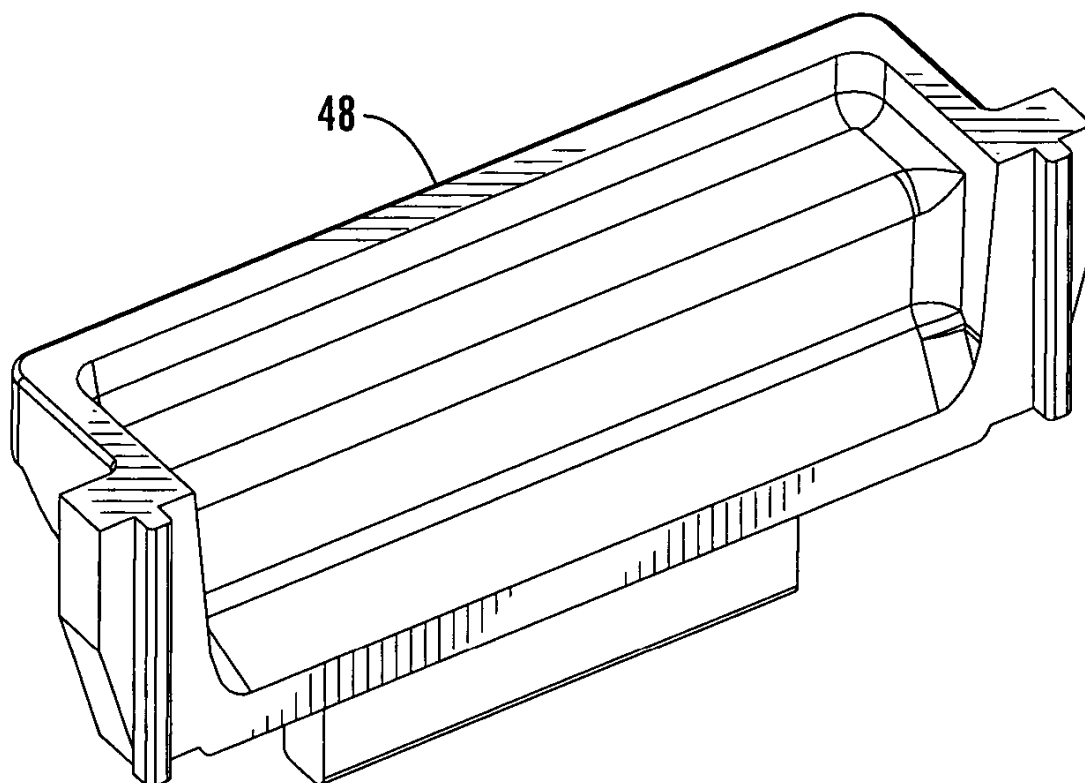
Family 20/100 - FAMPAT - ©Questel

Title

(EP1836517)

Overmolded multiport optical connection terminal having means for accommodating excess **fiber** length

Images



Publication data including kind & date

CN100510818	C	2009-07-08	CN100510818C
AU2005323300	A2	2008-09-25	AU2005323300
CN101111790	A	2008-01-23	CN101111790
US7302152	B2	2007-11-27	US7302152
EP1836517	A1	2007-09-26	EP1836517
MX2007008031	A	2007-09-04	MX2007008031
AU2005323300	A1	2006-07-13	AU2005323300



[CA2592607](#)

A1 2006-07-13 CA2592607

[WO2006/073599](#)

A1 2006-07-13 WO200673599

[US20060147172](#)

A1 2006-07-06 US20060147172

Abstract

(EP1836517)

An overmolded multi-port optical connection terminal (20) for a **fiber optic** distribution cable includes a tether cable (22) containing a plurality of optical fibers optically connected to a corresponding plurality of optical fibers terminated from the **fiber optic** distribution cable at a first end of the tether cable, an overmolded housing (24) at the second end of the tether cable, at least one connector port (26), and plenum means for accommodating excess **fiber** length (EFL) caused by shrinkage of the tether cable and/or pistoning of the optical fibers of the tether cable during connector mating. In one embodiment, a centralized plenum means is defined by an internal cavity within the overmolded housing sufficient for accommodating the EFL without micro bending. In another embodiment, a distributed plenum means is defined by an oversized tubular portion of the tether cable having an inner diameter sufficient for accommodating the EFL without micro bending.

Inventors

LUTHER JAMES P

ELKINS ROBERT B II

NIELSEN LARS K

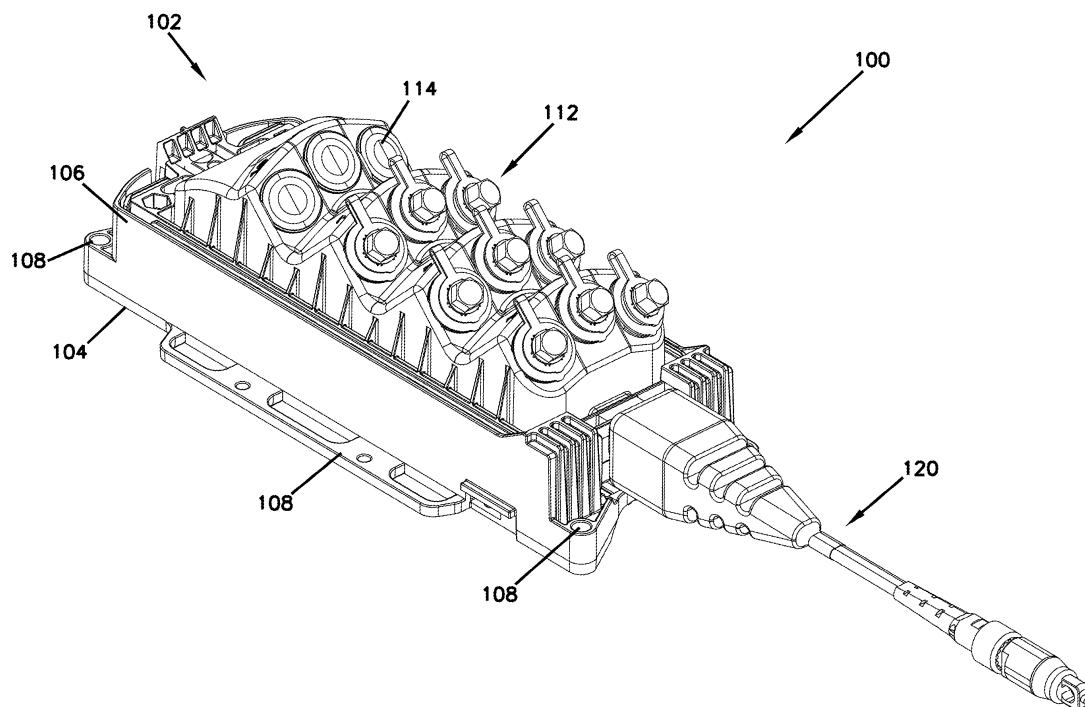
Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

Family 21/100 - FAMPAT - ©Questel

Title

(EP3380879)

Fiber optic connection system with **enclosure** port plugs**Images****Publication data including kind & date**[EP3380879](#)

A4 2019-07-17 EP3380879

[US20180341072](#)

A1 2018-11-29 US20180341072



EP3380879	A1	2018-10-03	EP3380879
AU2016359610	A1	2018-06-07	AU2016359610
WO2017/091578	A1	2017-06-01	WO201791578

**Abstract**

(EP3380879)

A **fiber optic** connection system includes an **enclosure**, at least one **fiber optic** adapter, and at least one **enclosure** port plug. The adapter can be removably secured at a port defined in the **enclosure** to mate **fiber optic** connectors therethrough. The **enclosure** port plug can be removably secured at the port and replaceable by the adapter.

Inventors

MARCOUILLER THOMAS

BRAN DE LEÓN OSCAR FERNANDO

Latest standardized assignees - inventors removed

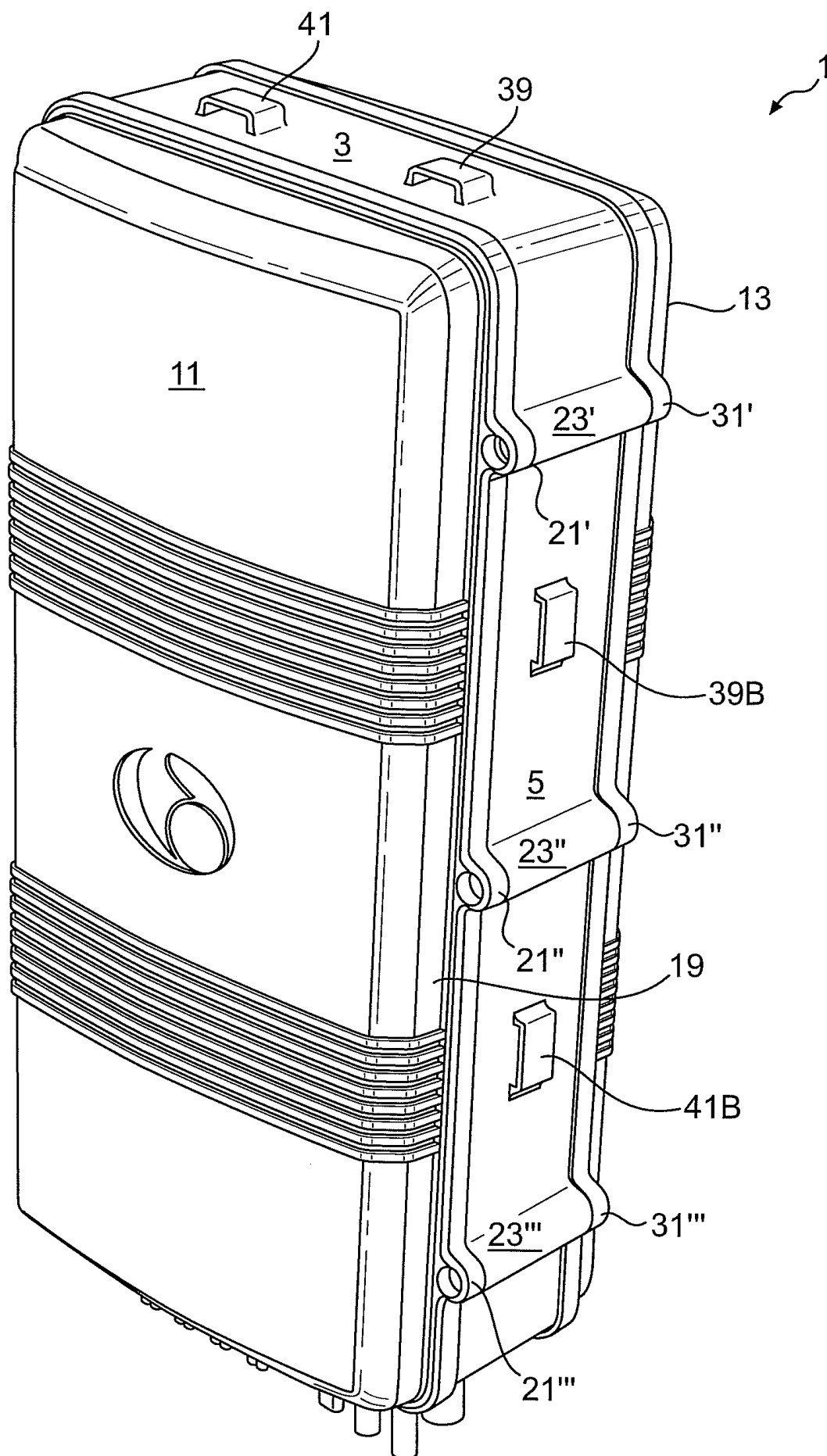
COMMSCOPE TECHNOLOGIES

Family 22/100 - FAMPAT - ©Questel

Title

(EP2147342)

Fiber optic splice and distribution **enclosure****Images**



Publication data including kind & date

BRPI0811519

A2 2014-11-18

BR200811519

CN101743496

B 2012-02-15

CN101743496B



JP2010527463	A	2010-08-12	JP2010527463				
IN7485/DELNP/2009	A	2010-07-02	IN2009DN07485				
CN101743496	A	2010-06-16	CN101743496				
IL202135	A	2010-06-16	IL-202135				
MX2009012303	A	2010-05-17	MX2009012303				
KR20100017404	A	2010-02-16	KR20100017404				
EP2147342	A1	2010-01-27	EP2147342				
US7471867	B2	2008-12-30	US7471867				
WO2008/144203	A1	2008-11-27	WO2008144203				
US20080285933	A1	2008-11-20	US20080285933				
CA2685258	A1	2008-11-15	CA2685258				

Abstract

(EP2147342)

An **enclosure** (1) for housing **fiber optic** splices between a **fiber optic** distribution cable (72) and **fiber optic** customer drop cables (70) includes a first door (11) providing access to a first area of the **enclosure** housing couplers for receiving terminals of customer drop cables. The **enclosure** also includes a second door (13) providing access to a second area of the **enclosure** for accommodating slices in one or more distribution cables. The second area is not accessible via the first area.

Inventors

VOGEL MARK

NEWHOUSE TODD ANDREW

PENDER WILLIAM ANTHONY

DIEGO RONALD HOWARD

Latest standardized assignees - inventors removed

COMMSCOPE

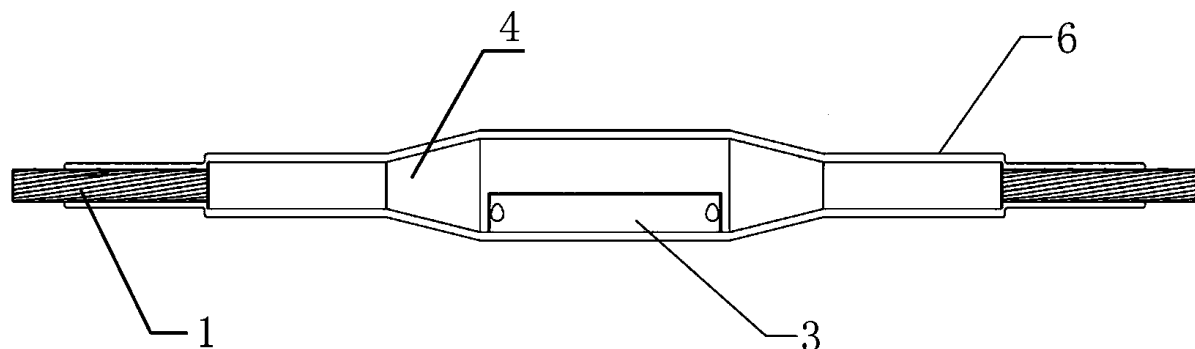
Family 23/100 - FAMPAT - ©Questel

Title

(CN102914842B)

First-aid repair adapter connector **box** for optical **fiber** composite overhead insulating phase lines and manufacture method thereof

Images



Publication data including kind & date

CN102914842	B	2014-09-03	CN102914842B				
CN102914842	A	2013-02-06	CN102914842				

Abstract

(CN102914842)

The invention relates to a first-aid repair adapter connector **box** for optical **fiber** composite overhead insulating phase lines, in particular to an insulating optical cable quick connector **box**. The first-aid repair adapter connector **box** can optical communication and unobstructed electric power in a short time when optical cables break, and is especially suitable for the

urban optical **fiber** composite overhead insulating phase lines of 10V and below 10V. The first-aid repair adapter connector **box** comprises a connector **box** main body, an upper cover, lining tubes and a heat-shrinkable sleeve, wherein two ends of the connector **box** main body is in pressing connection with the optical **fiber** composite overhead insulating phase lines, and one lining tube is respectively sleeved on optical **fiber** units at two ends of each optical **fiber** composite overhead insulating phase line. An optical **fiber** winding disc is arranged in the connector **box** main body, and the upper cover is arranged on the optical **fiber** winding disc. The h

Inventors

LI MING

MOU CHUNYAN

MOU JINGJING

WANG FEI

XU YONGJUN

CHEN ZHAOFENG

HE CANGPING

Latest standardized assignees - inventors removed

ZHONGTIAN HITACHI **FIBER OPTIC** CABLE

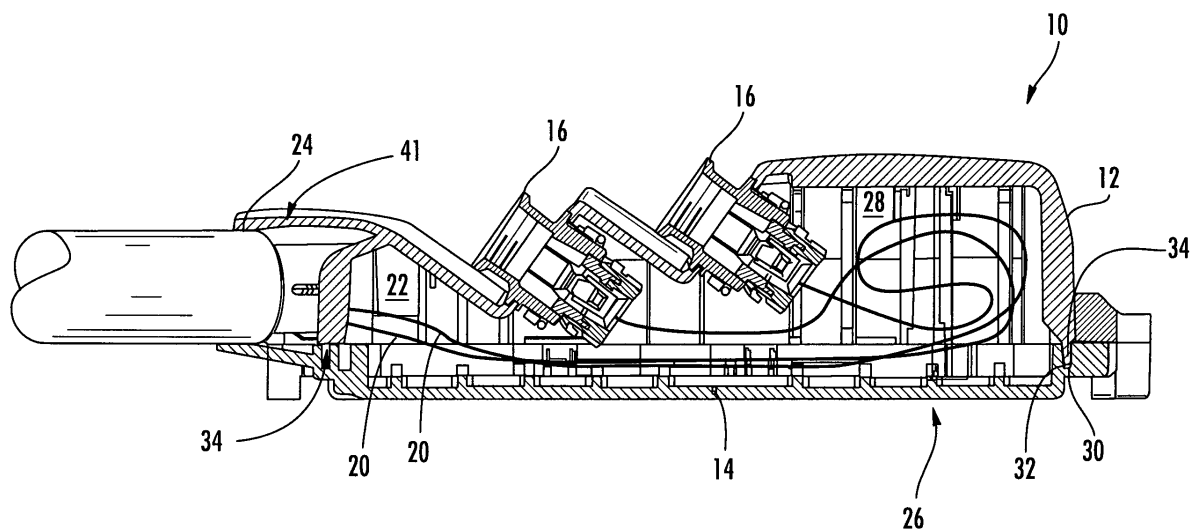
Family 24/100 - FAMPAT - ©Questel

Title

(EP1952187)

Fiber optic closure methods and apparatus

Images



Publication data including kind & date

CA2630731	C	2015-04-21	CA2630731
AU2006318632	B2	2011-11-10	AU2006318632
CN101395514	B	2010-12-22	CN101395514B
US7753596	B2	2010-07-13	US7753596
CN101395514	A	2009-03-25	CN101395514
EP1952187	A1	2008-08-06	EP1952187
AU2006318632	A1	2007-05-31	AU2006318632
CA2630731	A1	2007-05-31	CA2630731
WO2007/061999	A1	2007-05-31	WO200761999
US20070116413	A1	2007-05-24	US20070116413



Abstract

(EP1952187)

A multiport includes a multiport housing top piece, and a multiport housing bottom piece welded to the housing top piece. Alternatively, a method for fabricating a multiport includes providing a multiport housing top piece, providing a multiport housing bottom piece, and welding the housing top piece to the housing bottom piece. Additionally, a method of fabricating a multiport housing piece includes providing a body, and welding a plurality of connector adapters to the body. Alternatively, an optical **fiber** connector closure includes a connector housing top piece, a connector housing bottom piece, and a strength seal positioned between the top piece and the bottom piece such that said connector closure has a burst test rating of about 5 to about 125 Pounds per Square Inch (PSI).

Inventors

COX TERRY DEAN

Latest standardized assignees - inventors removed

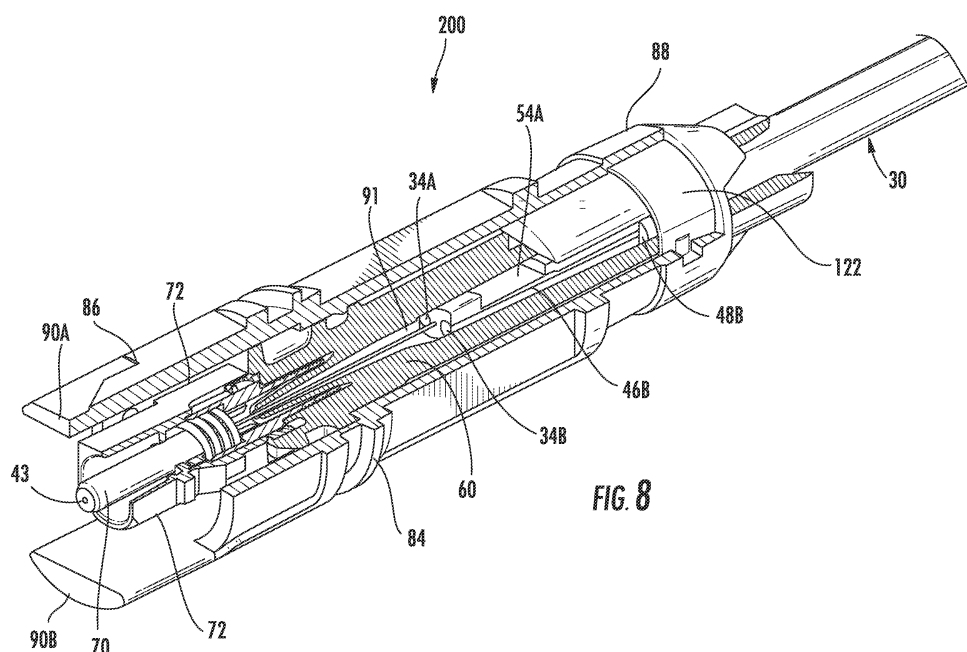
METALDYNE

CORNING OPTICAL COMMUNICATIONS

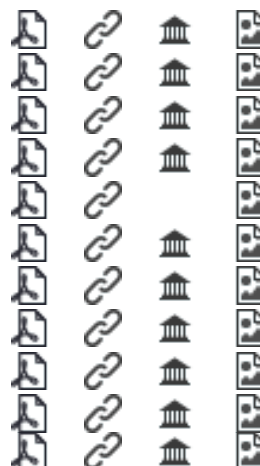
Family 25/100 - FAMPAT - ©Questel

Title

(EP2335105)

Fiber optic cable assemblies and securing methods**Images****Publication data including kind & date**

CA2738898	C	2016-05-31	CA2738898
CA2738922	C	2016-04-12	CA2738922
CN102177454	B	2015-08-26	CN102177454B
AU2009298567	B2	2015-07-09	AU2009298567
HK1161755	A1	2014-09-26	HK1161755
CN102177453	B	2014-07-02	CN102177453B
CN102177453	A	2011-09-07	CN102177453
CN102177454	A	2011-09-07	CN102177454
EP2340452	A1	2011-07-06	EP2340452
EP2335105	A2	2011-06-22	EP2335105



WO2010/039830	A3	2010-06-10	WO201039830				
AU2009298567	A1	2010-04-08	AU2009298567				
CA2738898	A1	2010-04-08	CA2738898				
CA2738922	A1	2010-04-08	CA2738922				
WO2010/039830	A2	2010-04-08	WO201039830				
WO2010/039837	A1	2010-04-08	WO201039837				

Abstract

(EP2335105)

Fiber optic cable assemblies and related components, securing methods, and **fiber optic** cable preparation methods for securing of a **fiber optic** cable to a retention body and/or **fiber optic** connector are disclosed. An end portion of the **fiber optic** cable is prepared and inserted into a retention body or the like for securing the cable to the same. In one embodiment, a partially exposed portion of a strength component (34a, 34b) and a portion of a cable jacket are secured to a retention body while another portion of the strength component remains secured to the cable jacket. In this manner, the **fiber optic** cable is secured to the retention body (60) while the strength component and the cable jacket also remain secured to each other for providing strain relief. A compartment (54a) for receiving additional adhesive is formed as recess in the cable jacket.

Inventors

COLEMAN CASEY A

THEUERKORN THOMAS

Latest standardized assignees - inventors removed

CORNING CABLE SYSTEMS

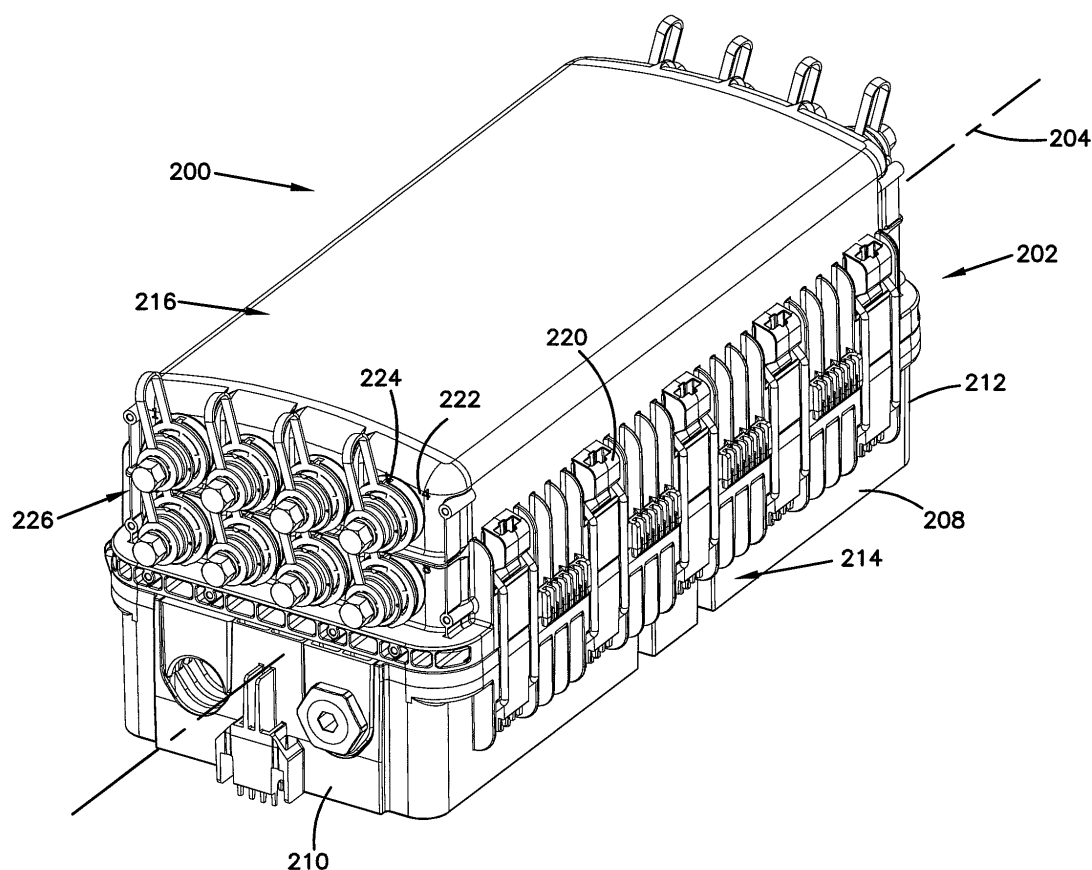
Family 26/100 - FAMPAT - ©Questel

Title

(EP2391917)

Fiber optic enclosure

Images



Publication data including kind & date

US8213760	B2	2012-07-03	US8213760
CN102365572	A	2012-02-29	CN102365572
EP2391917	A1	2011-12-07	EP2391917
MX2011008002	A	2011-09-15	MX2011008002
WO2010/088202	A1	2010-08-05	WO201088202
US20100189404	A1	2010-07-29	US20100189404



Abstract

(EP2391917)

A **fiber optic enclosure** assembly (200) includes an **enclosure** (202) having a base (214) and a cover (216) connected to the base. The base and the cover cooperate to define an interior region (266). The **enclosure** includes a tray-mount (552) disposed in the interior region. A plurality of **fiber optic** cable ports (226) is mounted to the **enclosure**. A tray stack (500) is mounted within the interior region of the **enclosure**. The tray stack includes a tray mounting plate assembly (501) that is pivotally connected to the tray mount of the **enclosure**. The tray mounting plate assembly (501) includes a tray mounting plate (502) and a detent that engages the tray mount to selectively retain the tray stack (500) in an opening position and a closed position. The tray stack further includes a plurality of trays mounted to the tray mounting plate.

Inventors

RUDENICK PAULA

SOLHEID JAMES J

BRAN DE LEON OSCAR FERNANDO

Latest standardized assignees - inventors removed

COMMSCOPE TECHNOLOGIES

COMMSCOPE

ANDREW

REDWOOD SYSTEMS

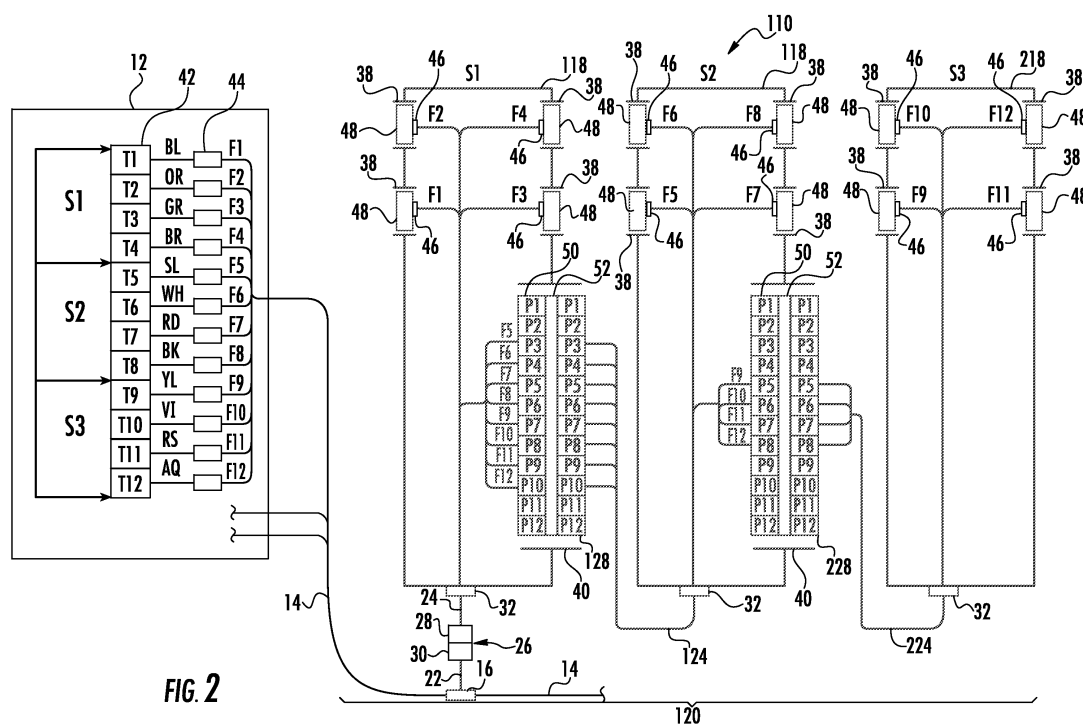
ARRIS

RUCKUS WIRELESS

Family 27/100 - FAMPAT - ©Questel

Title

(EP2558898)

Port mapping in **fiber optic** network devices**Images****Publication data including kind & date**

CA2794601	C	2018-07-17	CA2794601
CN103430071	B	2016-09-28	CN103430071B
AU2011239652	B2	2016-01-28	AU2011239652
WO2011/130472	A3	2015-06-18	WO2011130472
CN103430071	A	2013-12-04	CN103430071
EP2558898	A2	2013-02-20	EP2558898
AU2011239652	A1	2012-10-25	AU2011239652
CA2794601	A1	2011-10-20	CA2794601
WO2011/130472	A2	2011-10-20	WO2011130472

**Abstract**

(EP2558898)

A **fiber optic** network device comprising an input port adapted to receive a multi-**fiber** cable (24) having active optical fibers designated in a consecutive sequence is disclosed. A first plurality of optical fibers (F1, F2, F3, F4) is disposed within the **fiber optic** network device and extends from the input port. The first plurality of optical fibers aligns to a first section of the consecutive sequence, e.g., to drop ports (38). A second plurality of optical fibers (F5, F6, F7, F8, F9, F10, F11, F12) is disposed within the **fiber optic** network device and extends from the input port. The second plurality of optical fibers aligns to a second section of the consecutive sequence, e.g., to pass through port (40). A plurality of drop ports open into the **fiber optic** network device. The plurality of drop ports are adapted to optically couple ones of the first plurality of optical fibers to at least one drop cable external to the **fiber optic** network device. A pass-through port is included in the **fiber optic** network device and adapted to optically couple the second plurality of optical fibers to a second **fiber optic** network device through a

multi-fiber adapter. The multi-fiber adapter has a plurality of connection ports such that the second plurality of optical fibers optically connects to the plurality of connection points in a central alignment at the pass-through port.

Inventors

CONNER MARK E

FILIPIAK BARTON P

JENSEN JOSEPH C

SCHNICK GARY B

Latest standardized assignees - inventors removed

CORNING CABLE SYSTEMS

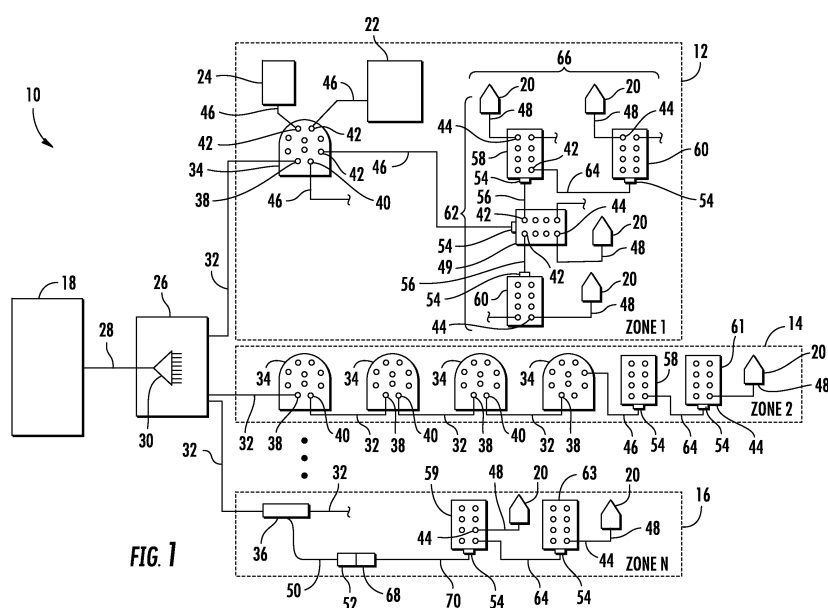
Family 28/100 - FAMPAT - ©Questel

Title

(EP2396687)

Reconfigurable multi-zoned fiber optic network architecture having fiber optic devices

Images



Publication data including kind & date

CN102334057	B	2014-06-18	CN102334057B
CN102334057	A	2012-01-25	CN102334057
EP2396687	A1	2011-12-21	EP2396687
AU2010213701	A1	2011-09-01	AU2010213701
CA2751027	A1	2010-08-19	CA2751027
WO2010/093794	A1	2010-08-19	WO201093794



Abstract

(EP2396687)

A fiber optic network having one or more zones is disclosed. Each zone of the fiber optic network includes one or more zone terminals (34) or devices. Such zone terminals or devices may be located at a mid-span access point of a distribution cable optically connected to a service provider's feeder cable. The zone terminal has a plurality of connector ports (45) with at least one adapter positioned within one of the plurality of connector ports (45). The adapter is configured to establish an optical connection with one or more optical fibers of the distribution cable. A multi-fiber optical connector is suitable for outside-plant installation, and the terminal is configured to extend optical service from a service provider toward at least one subscriber premises in a zone. The fiber optic terminal is reconfigurable based on at least one of, a number of subscriber premises in the zone, a geographical relationship of the subscriber premises in the zone, and a demographic make-up of the subscriber premises in the zone.

Inventors

BRADEA DANIEL A

BALLHAUSSEN PETER C

Latest standardized assignees - inventors removed

CORNING CABLE SYSTEMS

Family 29/100 - FAMPAT - ©Questel

Title

(WO2019127644)

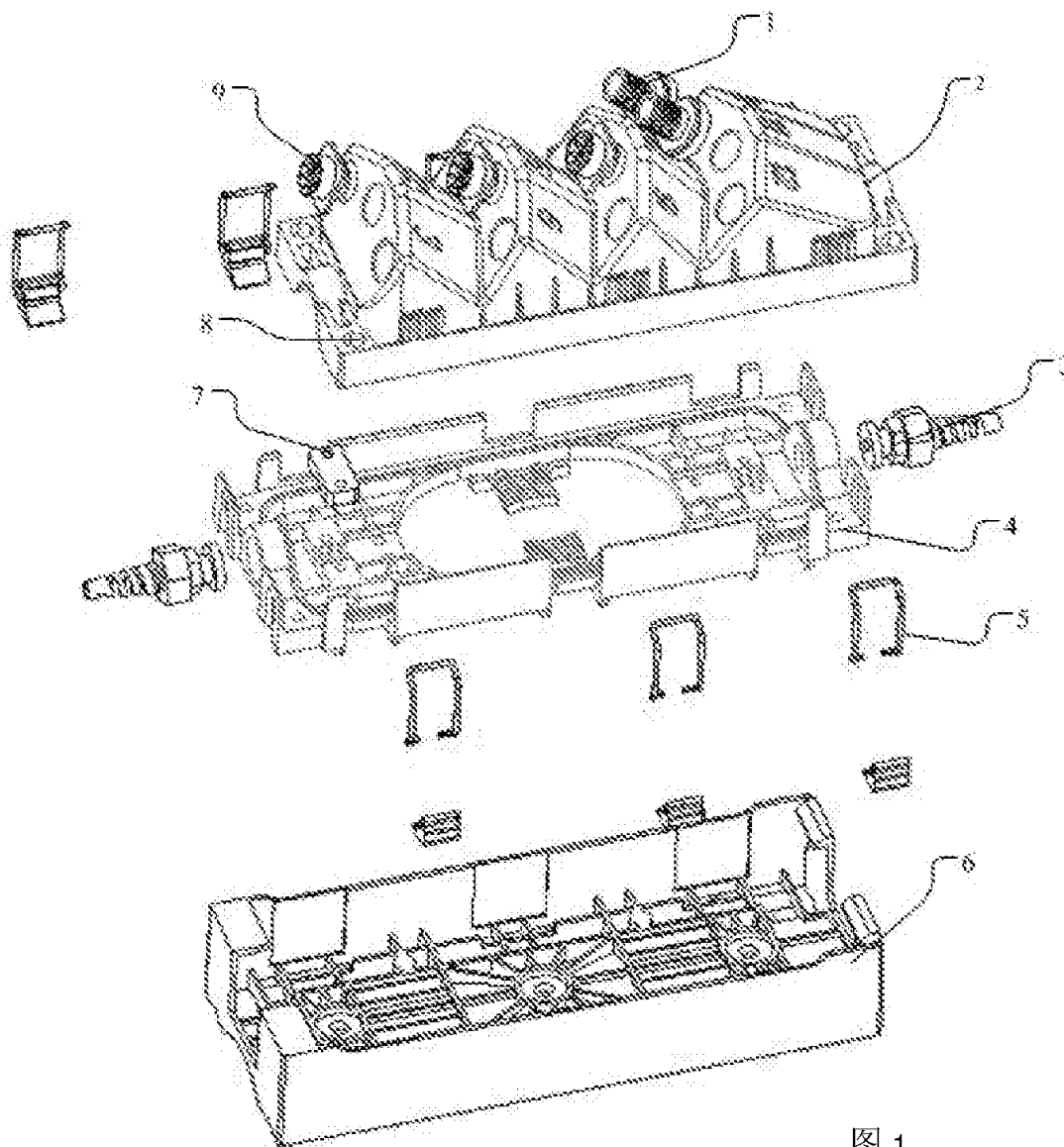
Protective **enclosure** for optical **fiber** distribution and splicing**Images**

图 1

Publication data including kind & date

WO2019/127644	A1	2019-07-04	WO2019127644
CN207882531	U	2018-09-18	CN207882531U

**Abstract**

(WO2019/127644)

The invention relates to a protective **enclosure** for optical **fiber** distribution and splicing. The **enclosure** comprises entry and exit cables, and an optical **fiber** adapter or a waterproof power connector. The entry and exit cables are fixed at entry and

exit ports at two ends of a main body of the distribution and splicing enclosure. The optical fiber adapter or the waterproof power connector is installed and fixed at an upper casing. The upper casing is provided with an installation hole for the optical fiber adapter or the waterproof power connector. The distribution and splicing main body is movably fastened and connected to the upper casing. The invention does not require an optical network unit (ONU), and is capable of being directly fastened to and installed on a telegraph pole at a periphery of a house or a building or fastened to a wall, so as to be connected to an ODF in a vertical low-voltage power distribution duct in each house or building via a pre-installed optical cable assembly, or to be directly connected to an opto-electrical converter apparatus of a user, thereby reducing the number of connection nodes of optical fibers, and reducing optical signal loss. The invention does not require fusion splicing of optical fibers or a high skill level of installation service staff, reduces the number of connection nodes, and improves the installation efficiency by means of a plug-and-play connection method.

Inventors

JIANG XIAOLAN

Latest standardized assignees - inventors removed

SHENZHEN YINGTONGDA OPTIC FIBER TECHNOLOGY

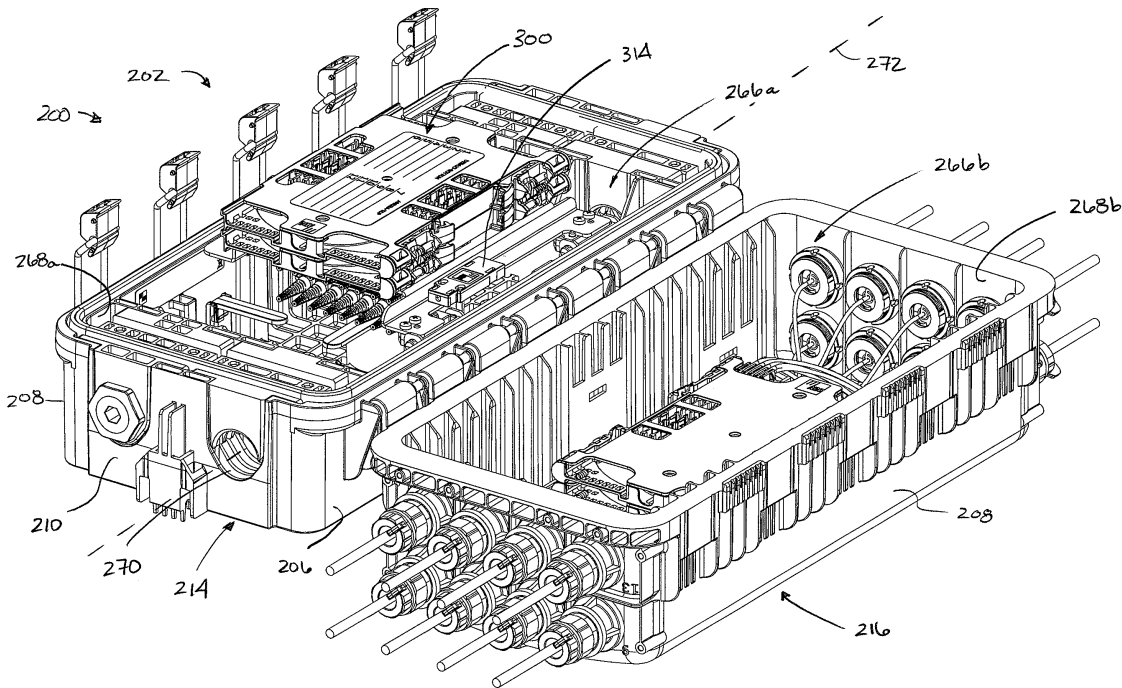
Family 30/100 - FAMPAT - ©Questel

Title

(WO201109060)

Fiber optic enclosure with adapter bulkhead positioned beneath pivotal splice tray

Images



Publication data including kind & date

BR112012001086	A2	2016-02-16	BR112012001086
BR112012001086	A1	2012-10-23	BR112012001086
WO2011/009060	A3	2011-04-14	WO201109060
US20110013875	A1	2011-01-20	US20110013875
WO2011/009060	A2	2011-01-20	WO201109060



Abstract

(WO2011/009060)

A fiber optic enclosure includes an enclosure and a tray stack. The enclosure includes a base and a cover connected to the

base. The base and the cover cooperate to define an interior region. The tray stack is disposed in the interior region of the enclosure. The tray stack includes a plurality of trays and a tray mounting plate. The tray mounting plate has a mounting portion and an adapter bulkhead portion. The mounting portion is adapted to receive the plurality of trays. The adapter bulkhead portion is adapted to receive a fiber optic adapter.

Inventors

BRAN DE LEON OSCAR FERNANDO

SOLHIED JAMES J

Latest standardized assignees - inventors removed

ADC TELECOMMUNICATIONS

COMMSCOPE TECHNOLOGIES

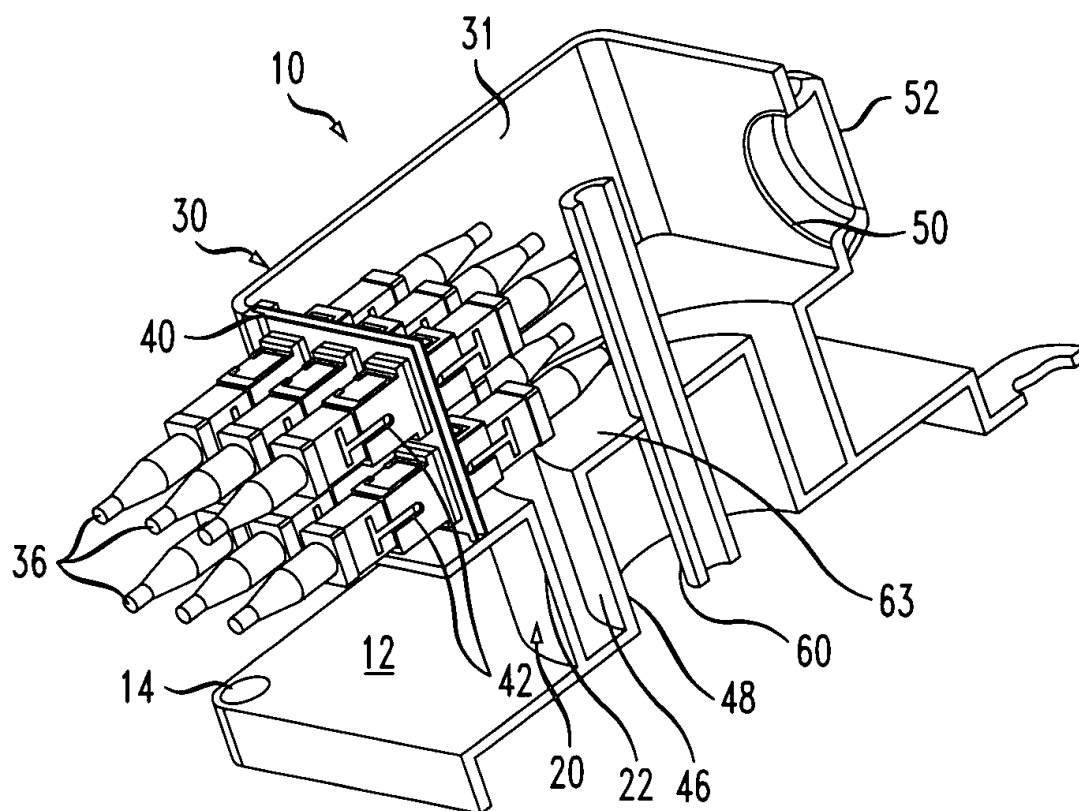
Family 31/100 - FAMPAT - ©Questel

Title

(EP1944886)

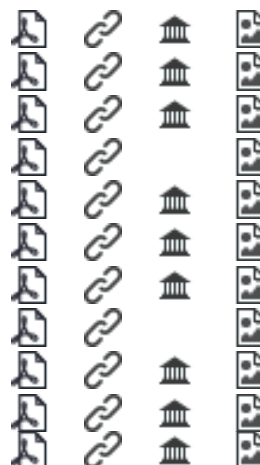
Fiber optic cabling for multi-dwelling unit (mdu) and commercial building deployments

Images



Publication data including kind & date

USRE46255	E1	2016-12-27	USRE46255
EP3093698	A1	2016-11-16	EP3093698
USRE45153	E1	2014-09-23	USRE45153
HK1121811	A1	2014-08-01	HK1121811
CN101221272	B	2013-12-11	CN101221272B
JP5188187	B2	2013-02-01	JP5188187
JP5188230	B2	2013-02-01	JP5188230
HK1121238	A1	2012-08-31	HK1121238
CN101221270	B	2012-01-11	CN101221270B
EP2256532	A1	2010-12-01	EP2256532



US7546018	B2	2009-06-09	US7546018				
US7522806	B2	2009-04-21	US7522806				
US20080273854	A1	2008-11-06	US20080273854				
JP2008242460	A	2008-10-09	JP2008242460				
EP1944635	A3	2008-10-08	EP1944635				
SG144813	A1	2008-08-28	SG-144813				
SG144814	A1	2008-08-28	SG-144814				
JP2008171003	A	2008-07-24	JP2008171003				
US20080170824	A1	2008-07-17	US20080170824				
US20080170831	A1	2008-07-17	US20080170831				
CN101221270	A	2008-07-16	CN101221270				
CN101221272	A	2008-07-16	CN101221272				
EP1944635	A2	2008-07-16	EP1944635				
EP1944886	A1	2008-07-16	EP1944886				
US7400814	B1	2008-07-15	US7400814				

Abstract

(EP1944886)

A network provider cable is routed to a splitter **box** (426) in a multi-dwelling unit or commercial building where the cable fibers are terminated. One or more riser cables (424), each terminated at one end at the splitter **box**, are routed through a building shaft. Each riser cable contains fibers associated with units located on a certain set of one or more floors of the building. The other end of each riser cable is terminated at an aggregation **box** (10) associated with the floors of the set. A feeder cable (418) is routed between the aggregation **box** and each floor of the set, or a corresponding floor area of one floor. A drop **box** (10) is provided for each floor or floor area for terminating the corresponding feeder cable. Drop cables (416) are routed between the drop **box** and units on the floor or in the floor area to be served.

Inventors

HENDRICKSON DANIEL

WEIMANN PETER A

ZHANG HONGBO

Latest standardized assignees - inventors removed

COMMSCOPE TECHNOLOGIES

COMMSCOPE

ANDREW

REDWOOD SYSTEMS

ARRIS

RUCKUS WIRELESS

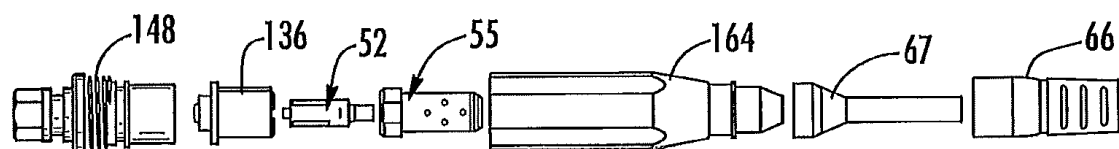
Family 32/100 - FAMPAT - ©Questel

Title

(EP2962143)

Female hardened optical connectors for use with male plug connectors

Images



Publication data including kind & date

AU2018204670	B2	2019-09-12	AU2018204670				
AU2018100882	B4	2019-01-03	AU2018100882				
AU2018100883	B4	2019-01-03	AU2018100883				
CN108761655	A	2018-11-06	CN108761655				
US20180239094	A1	2018-08-23	US20180239094				
AU2018100882	A4	2018-07-26	AU2018100882				
AU2018100883	A4	2018-07-26	AU2018100883				
AU2018204670	A1	2018-07-12	AU2018204670				
CN105359015	B	2018-05-25	CN105359015B				
AU2017101297	B4	2018-05-17	AU2017101297				
AU2017101298	B4	2018-05-17	AU2017101298				
US9964713	B2	2018-05-08	US9964713				
AU2013206652	B2	2018-04-26	AU2013206652				
AU2017101297	A4	2017-10-26	AU2017101297				
AU2017101298	A4	2017-10-26	AU2017101298				
AU2013100899	B4	2017-08-24	AU2013100899				
BR112015020492	A2	2017-07-18	BR112015020492				
US20170123165	A1	2017-05-04	US20170123165				
MX346238	B	2017-03-13	MX-346238				
US9513444	B2	2016-12-06	US9513444				
CL2015002404	A1	2016-06-17	CL2404201500				
PE01282016	A1	2016-03-05	PE201600128				
CN105359015	A	2016-02-24	CN105359015				
ES1146758	Y	2016-02-24	ES1146758Y				
EP2962143	A1	2016-01-06	EP2962143				
MX2015010872	A	2015-12-07	MX2015010872				
ES1146758	U	2015-11-30	ES1146758U				
BR112015020492	A1	2015-09-08	BR112015020492				
AU2013206652	A1	2014-09-11	AU2013206652				
CA2902570	A1	2014-09-04	CA2902570				
WO2014/133837	A1	2014-09-04	WO2014133837				
US20140241670	A1	2014-08-28	US20140241670				
AU2013100899	A4	2013-08-01	AU2013100899				

Abstract

(EP2962143)

A female hardened **fiber optic** connector for terminating an end of a **fiber optic** cable that is suitable for making an optical connection with another hardened cable assembly and cable assemblies using the same are disclosed. The female hardened **fiber optic** connector includes a connector assembly, a crimp body, a connector sleeve, and female coupling housing. The connector sleeve has one or more orientation features that cooperate with one or more orientation features inside the female coupling housing. The crimp body has a first shell and a second shell for securing the connector assembly at a front end of the shells and a cable attachment region rearward of the front end for securing a cable.

Inventors

BARNETTE ROBERT ELVIN JR

TRAN HIEU VINH

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

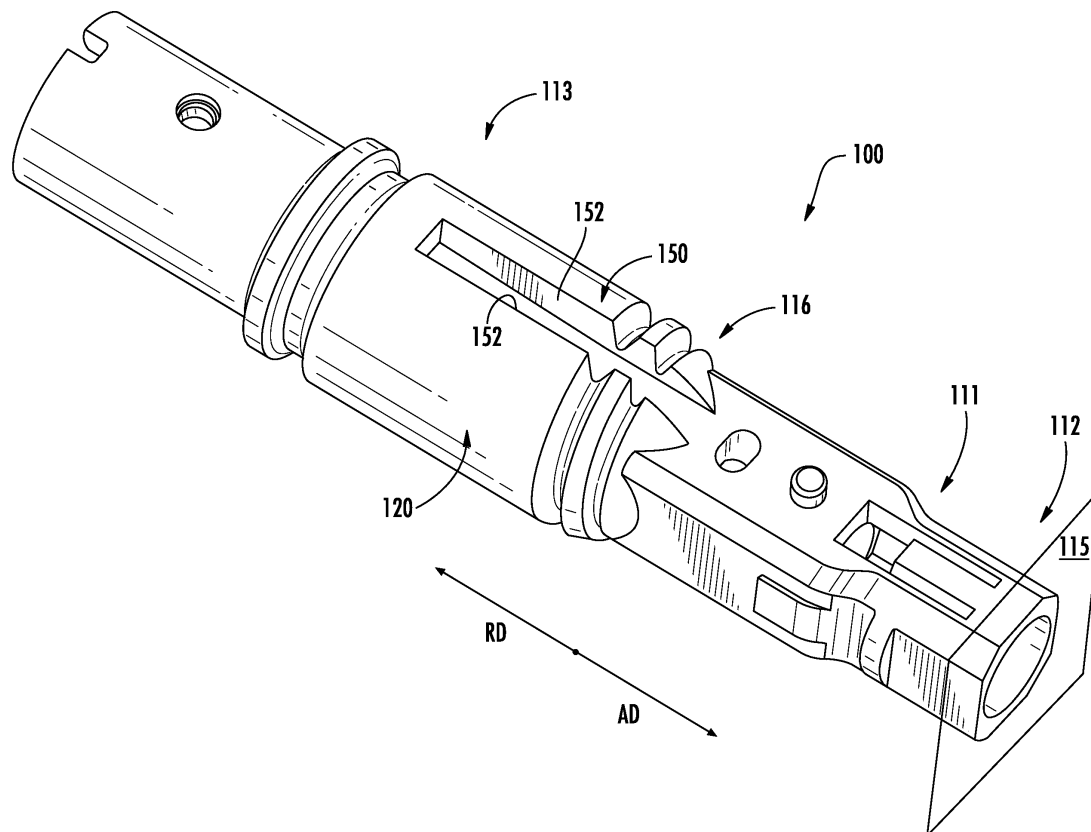
Family 33/100 - FAMPAT - ©Questel

Title

(WO201905191)

Compact **fiber optic** connectors having multiple connector footprints, along with cable assemblies and methods of making the same

Images



Publication data including kind & date

US10386584	B2	2019-08-20	US10386584
US10379298	B2	2019-08-13	US10379298
WO2019/005190	A4	2019-06-13	WO201905190
US20190162914	A1	2019-05-30	US20190162914
WO2019/005783	A4	2019-04-04	WO201905783
WO2019/005190	A3	2019-02-28	WO201905190
US20190004252	A1	2019-01-03	US20190004252
US20190004255	A1	2019-01-03	US20190004255
US20190004258	A1	2019-01-03	US20190004258
WO2019/005190	A2	2019-01-03	WO201905190
WO2019/005191	A1	2019-01-03	WO201905191
WO2019/005192	A1	2019-01-03	WO201905192
WO2019/005193	A1	2019-01-03	WO201905193
WO2019/005194	A1	2019-01-03	WO201905194
WO2019/005195	A1	2019-01-03	WO201905195
WO2019/005196	A1	2019-01-03	WO201905196
WO2019/005197	A1	2019-01-03	WO201905197
WO2019/005198	A1	2019-01-03	WO201905198



WO2019/005199	A1	2019-01-03	WO201905199
WO2019/005200	A1	2019-01-03	WO201905200
WO2019/005201	A1	2019-01-03	WO201905201
WO2019/005202	A1	2019-01-03	WO201905202
WO2019/005203	A1	2019-01-03	WO201905203
WO2019/005204	A1	2019-01-03	WO201905204
WO2019/005782	A1	2019-01-03	WO201905782
WO2019/005783	A1	2019-01-03	WO201905783
WO2019/005786	A1	2019-01-03	WO201905786
WO2019/005789	A1	2019-01-03	WO201905789
WO2019/006121	A1	2019-01-03	WO201906121
WO2019/006176	A1	2019-01-03	WO201906176
WO2019/006191	A1	2019-01-03	WO201906191
WO2019/006195	A1	2019-01-03	WO201906195



Abstract

(WO2019/005191)

Fiber optic connectors comprising multiple footprints along with cable assemblies and methods for making the same are disclosed. In one embodiment, the optical connector comprises a housing and a ferrule. The housing comprises a longitudinal passageway between a rear end and a front end. The **fiber optic** connector may be converted from a first footprint to a second footprint by a conversion housing that fits about a portion of the housing. The optical connectors disclosed may be tunable for improving optical performance and may also include a spring for biasing the ferrule to a forward position as desired.

Inventors

ROSSON JOEL CHRISTOPHER

Latest standardized assignees - inventors removed

CORNING RESEARCH & DEVELOPMENT

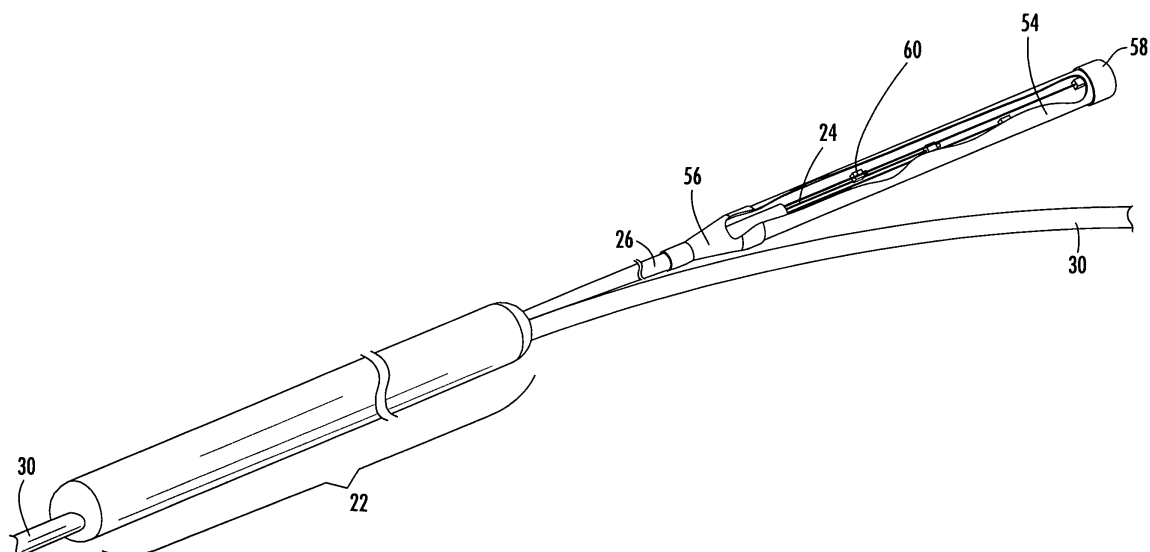
Family 34/100 - FAMPAT - ©Questel

Title

(EP1751597)

Distribution cable assembly having overmolded mid-span access location

Images



CN101477853	B	2012-10-24	CN101477853B				
AU2010202458	B2	2012-07-26	AU2010202458				
CA2570104	C	2011-05-10	CA2570104				
JP4733115	B2	2011-04-28	JP4733115				
AU2010202458	A1	2010-07-01	AU2010202458				
AU2009245828	B2	2010-03-04	AU2009245828				
AU2009245828	A1	2009-12-24	AU2009245828				
AU2005250777	B2	2009-12-17	AU2005250777				
CN100549743	C	2009-10-14	CN100549743C				
CN101477853	A	2009-07-08	CN101477853				
JP2008500578	A	2008-01-10	JP2008500578				
CN101002124	A	2007-07-18	CN101002124				
MXPA06013820	A	2007-03-01	MX2006PA013820				
EP1751597	A1	2007-02-14	EP1751597				
US7127143	B2	2006-10-24	US7127143				
AU2005250777	A1	2005-12-15	AU2005250777				
CA2570104	A1	2005-12-15	CA2570104				
WO2005/119322	A1	2005-12-15	WO2005119322				
US20050259928	A1	2005-11-24	US20050259928				

Abstract

(EP1751597)

A **fiber optic** distribution cable assembly (20) includes a distribution cable (30) having at least one predetermined mid-span access location (22) and a tether (26) for mitigating cable length errors at the mid-span access location in a pre-engineered **fiber optic** communications network. At least one optical **fiber** (28) of the distribution cable is accessed at the mid-span access location and optically connected to an optical **fiber** (24) disposed within the tether (26). Preferably, the first end of the tether (26) is attached to the distribution cable (30) by overmolding the mid-span access location with a flexible encapsulant material (52). The end of the optical **fiber** of the tether may be splice-ready or connectorized at the second end of the tether and protected within a crush resistant tube. Alternatively, the second end of the tether may terminate in an optical connection terminal defining at least one optical connection node, or may terminate in a linear chain of articulated optical connection nodes.

Inventors

ELKINS II ROBERT B

LUTHER JAMES P

NIELSEN LARS K

THEUERKORN THOMAS

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

Family 35/100 - FAMPAT - ©Questel

Title

(EP2376961)

Fiber optic multi dwelling unit deployment apparatus and methods for using the same

Images

BRAGA DAVID J

Latest standardized assignees - inventors removed

COMMSCOPE TECHNOLOGIES

COMMSCOPE

ANDREW

REDWOOD SYSTEMS

ARRIS

RUCKUS WIRELESS

Family 36/100 - FAMPAT - ©Questel

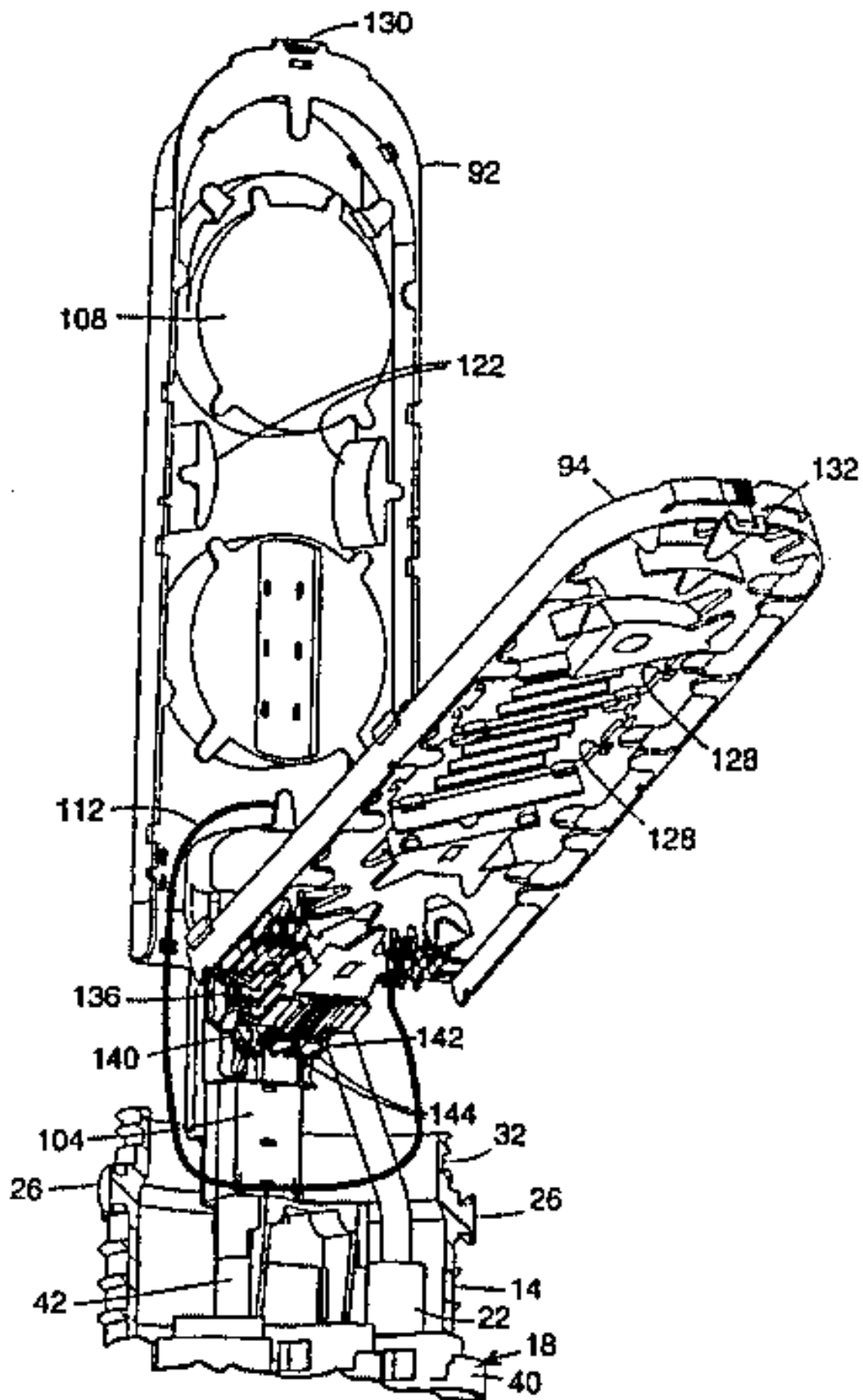
Title

(EP-817986)

Dome shaped closure for **fiber** optics

Images

.... G02B 6/44



Publication data including kind & date

RU2165095	C2	2001-04-10	RU2165095				
AU709556	B2	1999-09-02	AU-709556				
BR9607897	A	1999-06-01	BR9607897				
BRPI9607897	A1	1999-06-01	BRPI9607897				
JPH11502947	A	1999-03-09	JP11502947				
NZ303594	A	1999-01-28	NZ-303594				
KR19980703282	A	1998-10-15	KR19987003282				
IL117334	B	1998-06-15	IL-117334				
CN1179834	A	1998-04-22	CN1179834				
EP0817986	A1	1998-01-14	EP-817986				
NO974109	L	1997-12-01	NO-974109				
MX9707489	A	1997-11-29	MX9707489				
AR001547	A1	1997-11-26	AR---1547				
ZA9601997	B	1997-09-12	ZA9601997				
NO974109	D0	1997-09-05	NO9704109				
AU4995496	A	1996-10-16	AU9649954				
CA2215781	A1	1996-10-03	CA2215781				
WO96/30793	A1	1996-10-03	WO9630793				
US5553186	A	1996-09-03	US5553186				
IL117334	A	1996-07-23	IL-117334				

Abstract

(EP0817986)

A **fiber optic** dome closure has a body with a closed end and an open end, a tubular base releasably secured to the open end, a strain relief member attached to the base, having cable ports therein, and several **fiber optic** storage trays supported in the body. The trays include a transition tray which receives excess **fiber** slack, and two or more splice trays hingedly attached at a common end to either the transition tray or to another splice tray. The transition and splice trays being generally flat and lying stacked in a storage position. The splice trays can be inclined without kinking the fibers routed around that end, and the hinges have features formed integrally therewith which releasably secure the tray in the inclined, access position. A split tube for routing **fiber** from the transition tray to either of the splice trays, or between the splice trays, has a releasable seal along a longitudinal seam to allow the fibers to be secured therein quickly, without threading. The transition tray and splice trays are preferably formed of an injection-moldable thermoplastic polymer, with the hinging structures integrally molded therein. The splice trays are essentially identical, i.e., come from the same mold.

Inventors

ALLEN WILLIAM G

Latest standardized assignees - inventors removed

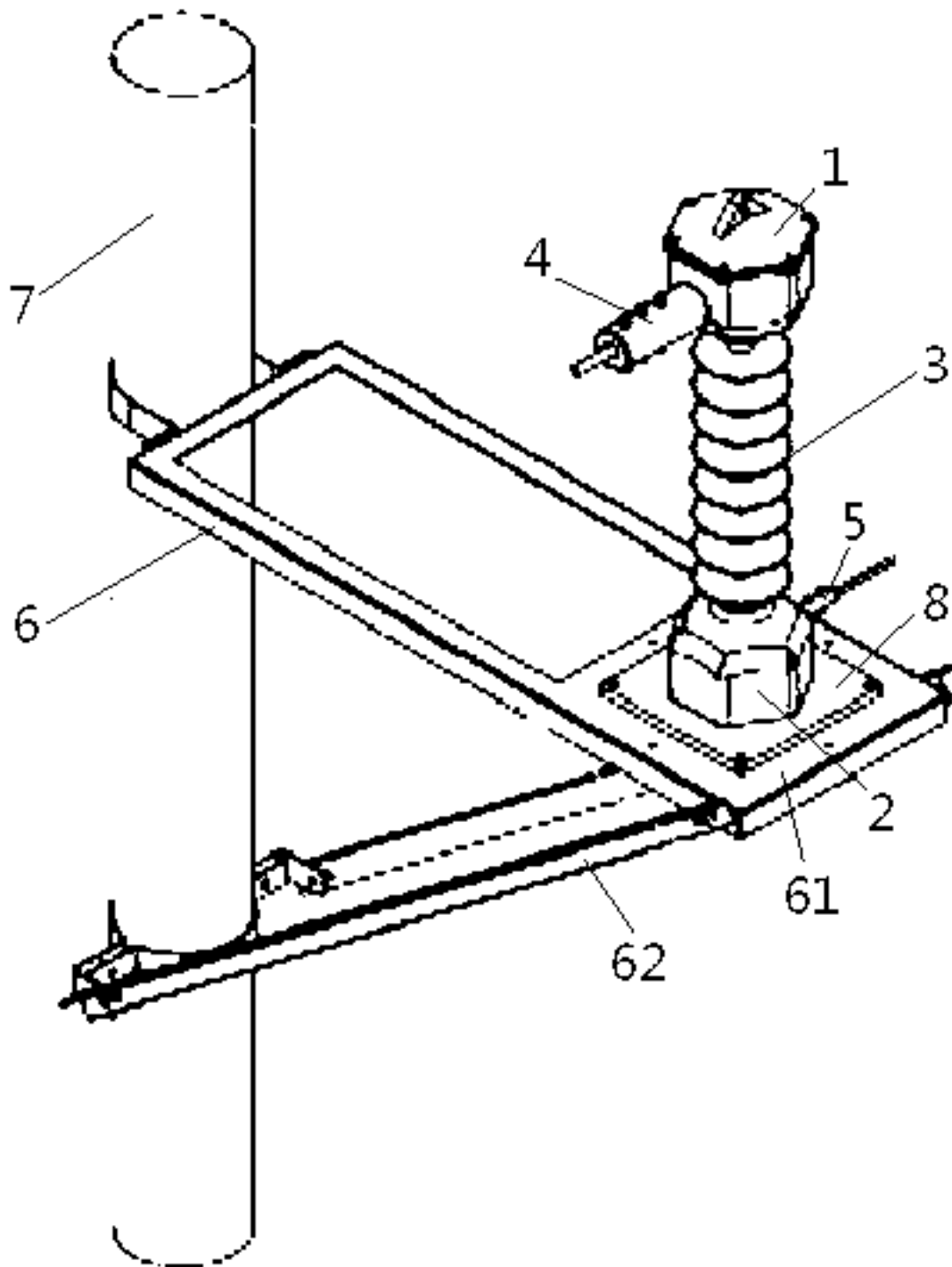
3M

Family 37/100 - FAMPAT - ©Questel

Title

(CN202676957U)

Pole terminal connector device of insulated optical **fiber** composition phase connector**Images**



Publication data including kind & date

[CN202676957](#)

U

2013-01-16

CN202676957U



Abstract

(CN202676957)

The utility model discloses a pole terminal connector device of an insulated optical **fiber** composition phase connector. The pole terminal connector device comprises an installation support, an upper splicing **box** body, a lower splicing **box** body, an insulator, an upper stationary fixture and a lower stationary fixture, wherein the installation support is fixedly arranged on a telegraph pole; the upper end of the insulator is connected with the upper splicing **box** body, and the lower end of the insulator is connected with the lower splicing **box** body; the upper stationary fixture is connected with the upper splicing **box** body and introduces an optical **fiber** from the insulated optical **fiber** composition phase conductor into the upper splicing **box** body to splice; and the lower stationary fixture is connected with the lower splicing **box** body and introduces an optical **fiber** from an optical cable into the lower splicing **box** body to splice. The pole terminal connector device is simple in structure, can be used for conveniently splicing the OPPC cables and introducing the optical cables, has a sealing function, can play a good role in the aspect of protecting the OPPC cables and introduced optical cables, and can effectively improve the splicing property of the cables.

Inventors

ZHANG QING

LU ZHENGJIA

XIE SHUHONG

HE CANGPING

LU HAO

Latest standardized assignees - inventors removed

STATE GRID CORPORATION OF CHINA (SGCC)

SHANGHAI ELECTRIC POWER COMMUNICATION

ZHONGTIAN HITACHI FIBER OPTIC CABLE

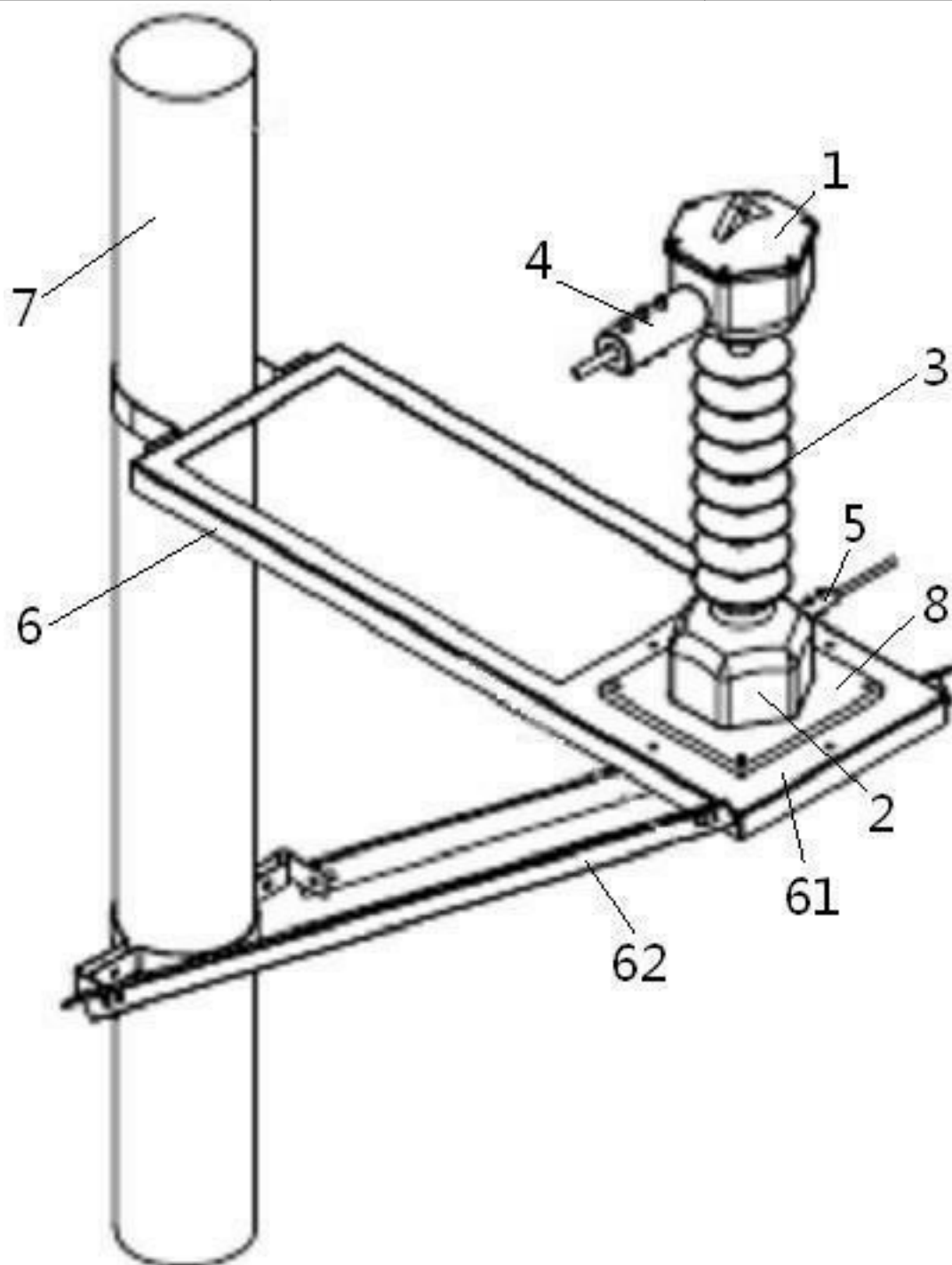
Family 38/100 - FAMPAT - ©Questel

Title

(CN102636852)

Pole terminal connector device of insulated optical fiber composition phase conductor

Images



Publication data including kind & date

[CN102636852](#)

A 2012-08-15 CN102636852



Abstract

(CN102636852)

The invention discloses a pole terminal connector device of an insulated optical **fiber** composition phase conductor. The pole terminal connector device comprises an installation support, an upper splicing **box** body, a lower splicing **box** body, an insulator, an upper stationary fixture and a lower stationary fixture, wherein the installation support is fixedly arranged on a telegraph pole; the upper end of the insulator is connected with the upper splicing **box** body, and the lower end of the insulator is connected with the lower splicing **box** body; the upper stationary fixture is connected with the upper splicing **box** body and introduces an optical **fiber** from the insulated optical **fiber** composition phase conductor into the upper splicing **box** body to splice; and the lower stationary fixture is connected with the lower splicing **box** body and introduces an optical **fiber** from an optical cable into the lower splicing **box** body to splice. The pole terminal connector device is simple in structure, can be used for conveniently splicing the OPPC cables and introducing the optical cables, has a sealing function, can play a good role in the aspect of protecting the OPPC cables and introduced optical cables, and can effectively improve the splicing property of the cables.

Inventors

ZHANG QING

LU ZHENGJIA

XIE SHUHONG

HE CANGPING

LU HAO

Latest standardized assignees - inventors removed

SHANGHAI MUNICIPAL ELECTRIC POWER

SHANGHAI JIULONG ELECTRIC POWER TECHNOLOGY

ZHONGTIAN HITACHI FIBER OPTIC CABLE

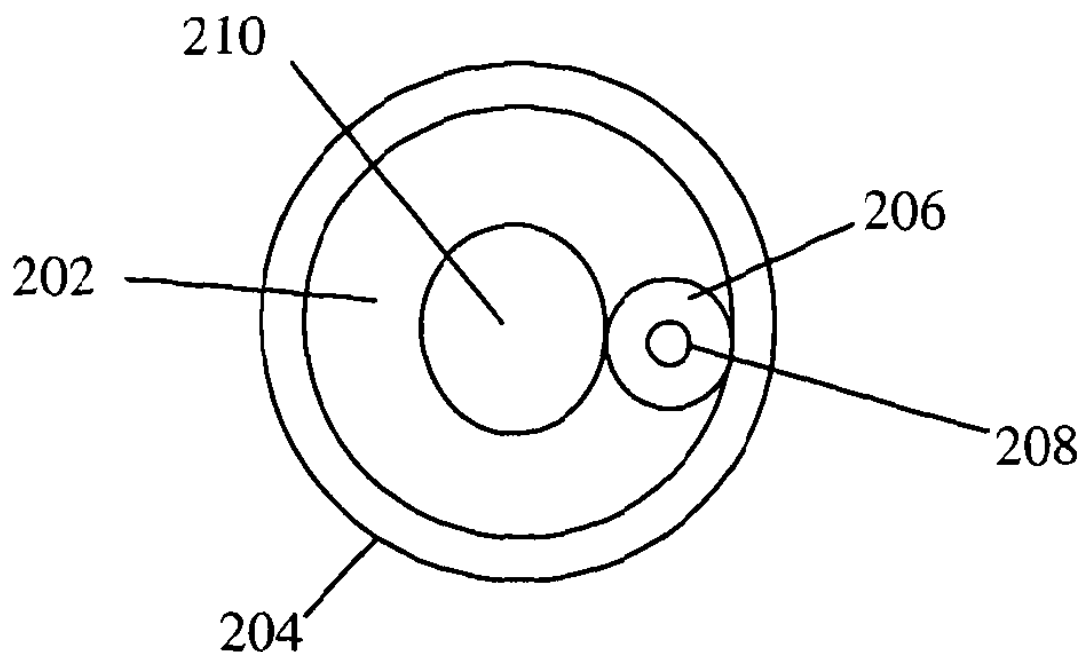
Family 39/100 - FAMPAT - ©Questel

Title

(EP2499472)

Optic fibres and fibre optic sensing

Images



Publication data including kind & date

EA032731	B1	2019-07-31	EA--32731
CN108645430	A	2018-10-12	CN108645430
CN102822645	B	2018-07-27	CN102822645B
EA029335	B1	2018-03-30	EA--29335
BR112012011226	A2	2018-03-27	BR112012011226
US20170343433	A1	2017-11-30	US20170343433
US9677956	B2	2017-06-13	US9677956
MY162097	A	2017-05-31	MY-162097
EP2803957	B1	2017-01-11	EP2803957
EP2499472	B1	2016-01-27	EP2499472
EA201400829	A1	2015-03-31	EA201400829



EP2803957	A3	2015-01-21	EP2803957				
EP2803957	A2	2014-11-19	EP2803957				
AU2010317792	B2	2014-07-24	AU2010317792				
TH125210	A	2013-07-05	TH-125210				
EA201290303	A1	2012-12-28	EA201290303				
CN102822645	A	2012-12-12	CN102822645				
BR112012011226	A1	2012-11-06	BR112012011226				
EP2499472	A1	2012-09-19	EP2499472				
US20120222487	A1	2012-09-06	US20120222487				
AU2010317792	A1	2012-07-05	AU2010317792				
CA2780569	A1	2011-05-19	CA2780569				
CA3051560	A1	2011-05-19	CA3051560				
CA3051561	A1	2011-05-19	CA3051561				
WO2011/058314	A1	2011-05-19	WO201158314				
GB0919902	D0	2009-12-30	GB200919902				

Abstract

(EP2499472)

Fibre **optic** cables with improved performance for use in distributed sensing, for instance in distributed acoustic sensors, are disclosed. In one embodiment a fibre **optic** cable (210) comprises a core (208) and cladding (206) disposed within a buffer material (202) and surrounded by a jacket (204) and arranged so that the core is offset from the centre of the cable. By offsetting the core from the centre of the jacket any bending effects on the core can be maximised compared with the core being located at the centre of the cable.

Inventors

HILL DAVID JOHN

MCEWEN-KING MAGNUS

CRICKMORE ROGER IAN

Latest standardized assignees - inventors removed

OPTASENSE

Family 40/100 - FAMPAT - ©Questel

Title

(EP2458417)

Fiber optic universal bracket apparatus and methods**Images**

A tether assembly for a fiber optic cable, comprising a tether cable having a first end adapted to be attached to the fiber optic cable and a second end, the tether cable containing a plurality of optical fibers optically connected to a corresponding plurality of optical fibers accessed and terminated from the fiber optic cable; a furcation at the second end of the tether cable for separating the optical fibers of the tether cable and transitioning the optical fibers into at least one furcation leg, the furcation leg having a first end attached to the furcation and a second end; at least one individual connector port at the second end of the furcation leg for providing access to at least one of the plurality of optical fibers of the tether cable optically connected to the plurality of optical fibers accessed and terminated from the fiber optic cable; and an integration component attached to a housing of said connector port, said integration component configured to be attached to a bracket.

Inventors

COOKE TERRY LEE

JOHNSON JOHN BRADLEY

LUTHER JAMES PHILLIP

UGOLINI ALAN WILLIAM

Latest standardized assignees - inventors removed

CORNING CABLE SYSTEMS

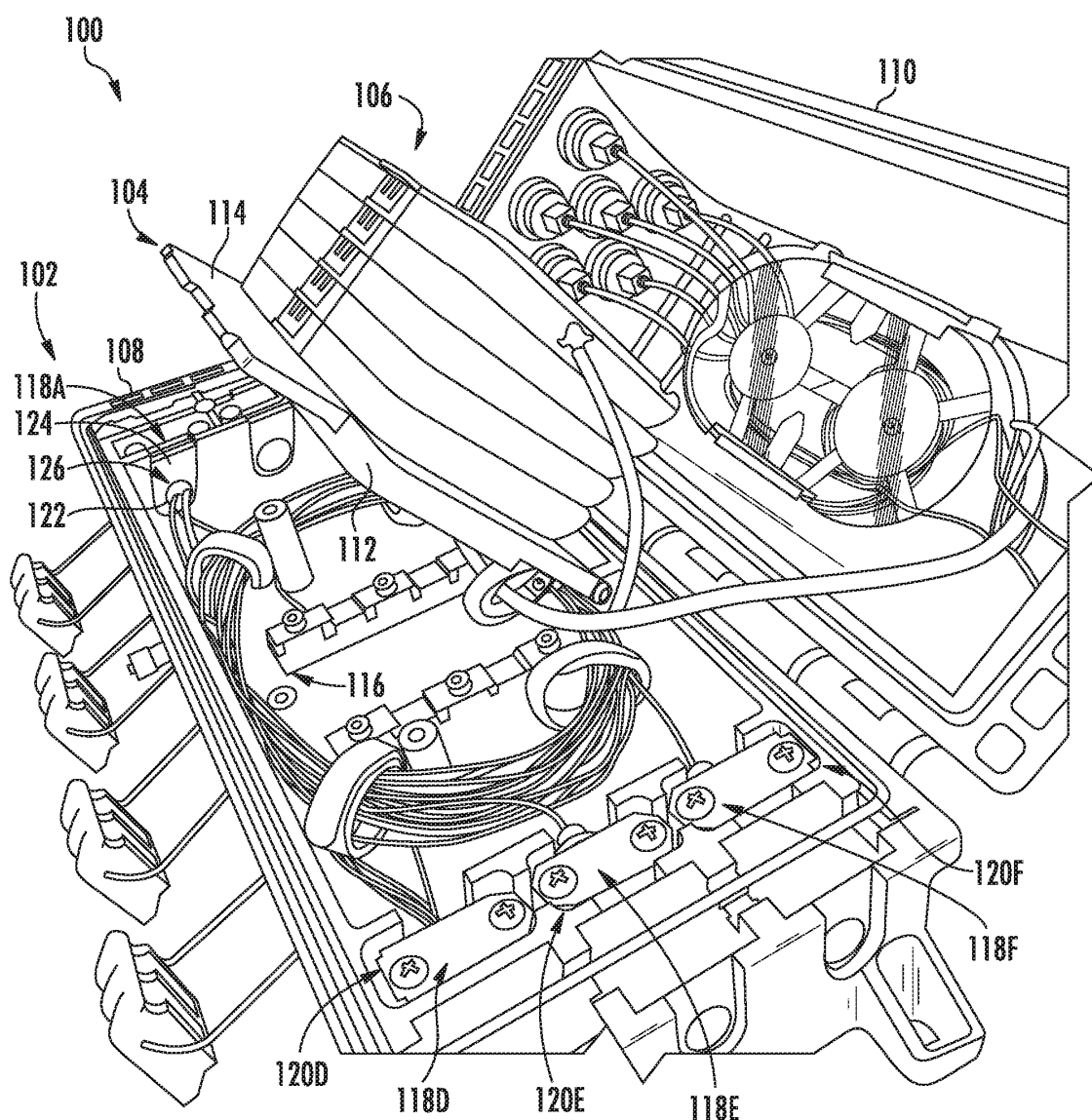
Family 41/100 - FAMPAT - ©Questel

Title

(EP3542199)

Fiber optic closure terminals with increased versatility

Images



Publication data including kind & date

EP3542199	A1	2019-09-25	EP3542199
US20190265426	A1	2019-08-29	US20190265426
BR112019009857	A2	2019-08-20	BR112019009857
BR112019009857	A1	2019-05-28	BR112019009857
WO2018/090582	A1	2018-05-24	WO2018090582
CN206147157	U	2017-05-03	CN206147157U



Abstract

(EP3542199)

Embodiments of the disclosure are directed to **fiber optic** closure terminals (100) with increased versatility. A **fiber optic** closure terminal (100) is provided that includes a mount assembly (104) for mounting at least one **fiber optic** module (106) within a housing (102). The mount assembly (104) includes a pivotable plate (112) and a translatable plate (114) configured to pivot the at least one **fiber optic** module (106) greater than ninety degrees thereby providing better access to **fiber** management features at a bottom of the base (108) of the **fiber optic** closure terminal (100). The improved access increases versatility by facilitating installation and/ or maintenance of connecting a **fiber optic** cable to optical connections in the **fiber optic** module (s) (106). The **fiber optic** closure terminal (100) can also include a strain relief assembly (118A-118F) configured for attachment and removal from the base (108) of the housing (102) for increased versatility regarding installation and/or maintenance of the **fiber optic** closure terminal (100).

Inventors

QING XU

ZHEJIAN CHAOQIAN

Latest standardized assignees - inventors removed

CORNING

Family 42/100 - FAMPAT - ©Questel

Title

(EP-523473)

Connector assembly with a metal tube clad optical **fiber** cable

Images

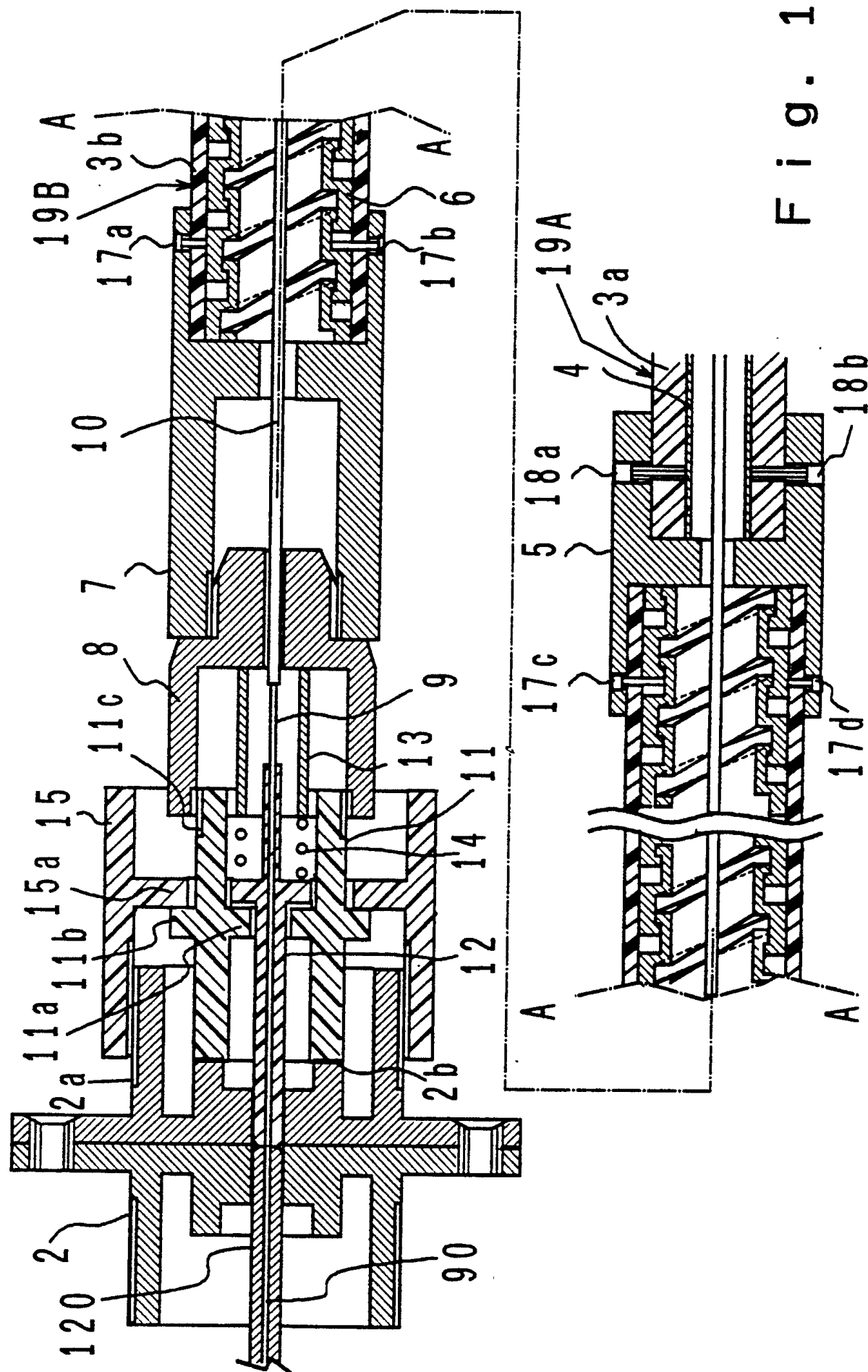


Fig. 1

Publication data including kind & date

JP3032628

B2 2000-04-17

JP3032628

KR100232047

B1 1999-12-01

KR100232047

JP2839752



JP2839753	B2	1998-12-16	JP2839752				
HK1003126	B2	1998-12-16	JP2839753				
DE69215591	A1	1998-10-09	HK1003126				
DE69215591	T2	1997-05-15	DE69215591				
EP0523473	D1	1997-01-16	DE69215591				
US5280552	B1	1996-12-04	EP-523473				
JP05142439	A	1994-01-18	US5280552				
KR930002846	A	1993-06-11	JP05142439				
EP0523473	A	1993-02-23	KR19930002846				
JP05011144	A1	1993-01-20	EP-523473				
JP05011145	A	1993-01-19	JP05011144				
	A	1993-01-19	JP05011145				

Abstract

(EP0523473)

A connector for connecting an optical **fiber** cable to an equipment adaptor, a flexible metal tube clad optical **fiber** cable including a flexible metal tube through which an optical **fiber** core rod extends and which is used for connection with an equipment, a relay adaptor for providing a connection between cables of different kinds, and a seamless metal tube clad optical **fiber** cable including a seamless tube through which an optical **fiber** core rod extends and which is used for wiring over a relatively long distance are disclosed individually and in combinations. The connector is connected to the flexible metal tube clad optical **fiber** cable, which is then connected through the relay adaptor to the seamless metal tube clad optical **fiber** cable. A certain element of the connector is formed of an insulator to provide an electrical isolation between the metal tube and the equipment adaptor.

Inventors

YOKOI Kiyomi

TABATA Kazufumi

TAKAMATSU Yoshiro

Latest standardized assignees - inventors removed

NIPPON STEEL WELDING PRODUCTS & ENGINEERING

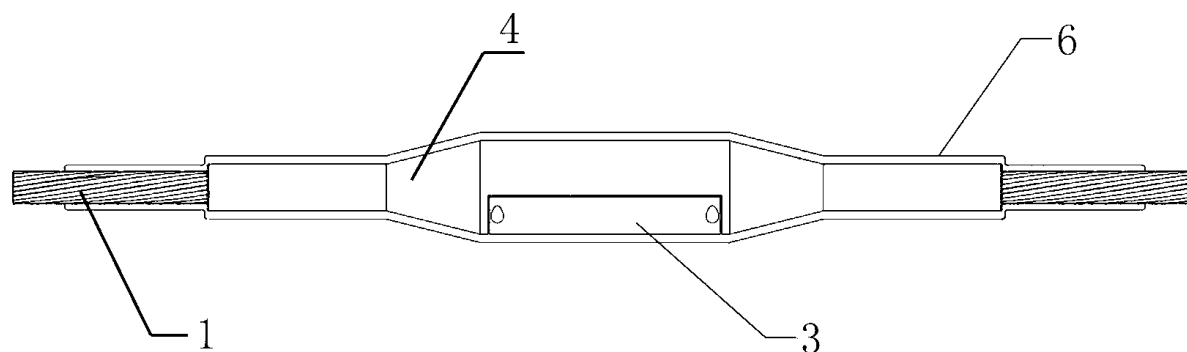
Family 43/100 - FAMPAT - ©Questel

Title

(CN202939338U)

Emergency repair connector **box** for optical **fiber** composite overhead insulated phase line

Images



Publication data including kind & date

CN202939338 U 2013-05-15 CN202939338U



Abstract

(CN202939338)

The utility model relates to an emergency repair connector **box** for an optical **fiber** composite overhead insulated phase line. The emergency repair connector **box** is an insulated optical-cable rapid connector **box**, enables unobstruction of both

optical communication and electric power to be simultaneously recovered in a short time when an optical cable breaks and is especially applicable to municipal optical **fiber** composite overhead insulated phase lines with a voltage of 10 kV or less than 10 kV. The connector **box** comprises a connector **box** main body, a top cover, inner liner tubes and a heat-shrinkable bush, wherein two ends of the connector **box** main body are connected with the optical **fiber** composite overhead insulated phase line through crimping, an optical **fiber** unit at each end of the optical **fiber** composite overhead insulated phase line is sleeved with one inner liner tube, a wire spool is arranged in the connector **box** main body, the upper cover is mounted on the wire spool, and the heat-shrinkable bush is tightly sleeved on the surface of the whole connector **box**. The emergency repair connector **box** for the optical **fiber** composite overhead insulated phase line in the utility model has a simple structure, is easy to operate and can be directly used in construction without assistance by large-scale electric equipment; the connector **box** is provided with the wire spool, so connection of optical fibers can be directly carried out in the connector **box**.

Inventors

LI MING

MOU CHUNYAN

MOU JINGJING

WANG FEI

XU YONGJUN

CHEN ZHAOFENG

HE CANGPING

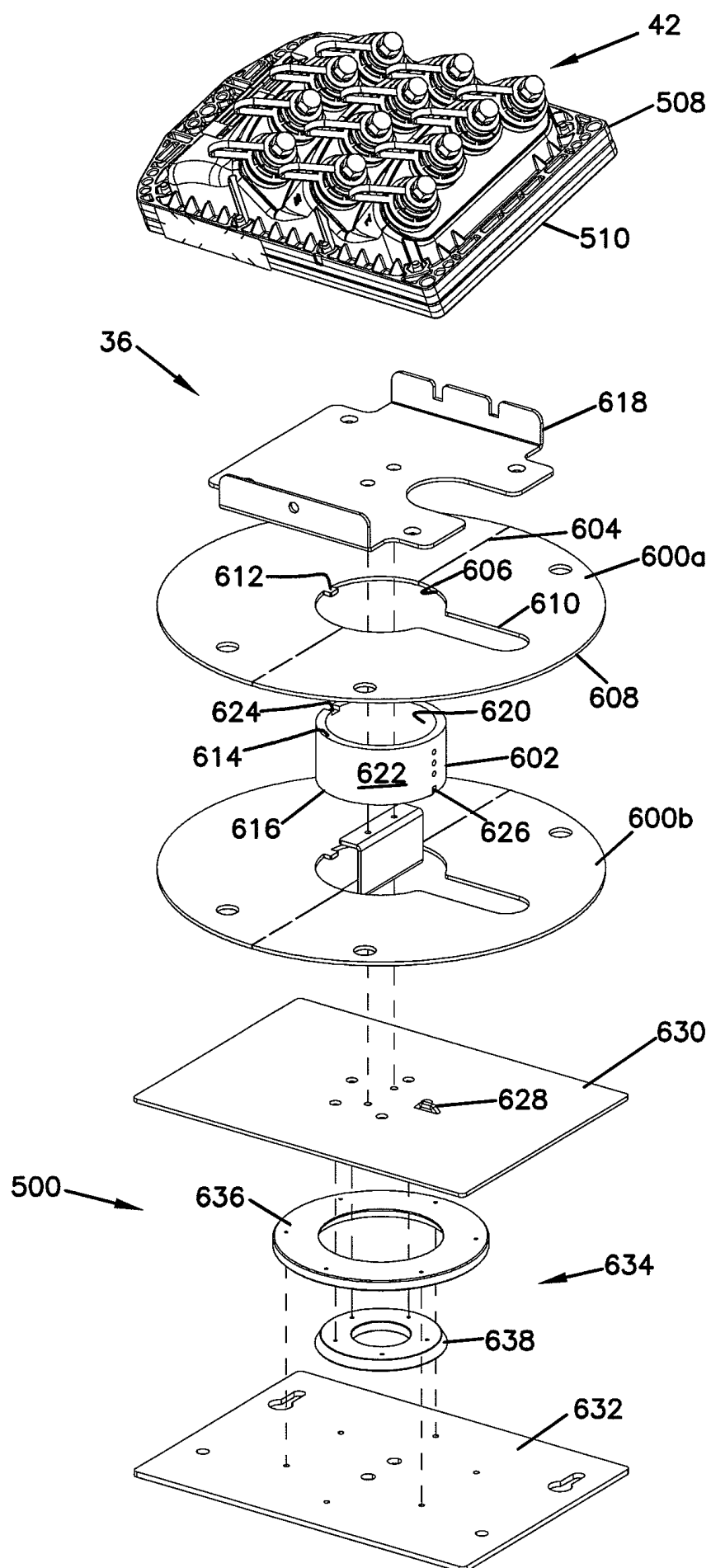
Latest standardized assignees - inventors removedZHONGTIAN HITACHI **FIBER OPTIC** CABLE

Family 44/100 - FAMPAT - ©Questel

Title

(EP2297604)

Methods and systems for distributing **fiber optic** telecommunications services to local area**Images**



Publication data including kind & date

US20190162919	A1	2019-05-30	US20190162919				
US10146017	B2	2018-12-04	US10146017				
US20180106974	A1	2018-04-19	US20180106974				
US9823427	B2	2017-11-21	US9823427				
US20170299819	A1	2017-10-19	US20170299819				
US9632273	B2	2017-04-25	US9632273				
US20170038550	A1	2017-02-09	US20170038550				
US9459424	B2	2016-10-04	US9459424				
IN4830/KOLNP/2010	A	2016-09-02	IN2010KN04830				
US20160195688	A1	2016-07-07	US20160195688				
US9377599	B2	2016-06-28	US9377599				
US20140334791	A1	2014-11-13	US20140334791				
US8805152	B2	2014-08-12	US8805152				
US20120308190	A1	2012-12-06	US20120308190				
US8254740	B2	2012-08-28	US8254740				
RU2011101738	A	2012-07-27	RU2011101738				
AU2009259962	A2	2011-07-07	AU2009259962				
CN102067001	A	2011-05-18	CN102067001				
EP2297604	A1	2011-03-23	EP2297604				
MX2010013995	A	2011-02-15	MX2010013995				
AR072194	A1	2010-08-11	AR--72194				
US20090317047	A1	2009-12-24	US20090317047				
AU2009259962	A1	2009-12-23	AU2009259962				
WO2009/155487	A1	2009-12-23	WO2009155487				

Abstract

(EP2297604)

A **fiber optic** drop terminal assembly includes a housing, a spool and a **fiber optic** distribution cable. The housing has a first exterior surface and an oppositely disposed second exterior surface. A plurality of ruggedized adapters is mounted on the first exterior surface of the housing. The ruggedized adapters include a first port accessible from outside the housing and a second port accessible from inside the housing. The spool is engaged with the second exterior surface and includes a drum portion. The **fiber** distribution cable is coiled around the drum portion. The distribution cable includes a first end and an oppositely disposed second end. The second end is disposed inside the housing.

Inventors

SMITH TREVOR D

HAGEN RAYMOND

LEBLANC THOMAS G

MARCOUILLER THOMAS

Latest standardized assignees - inventors removed

COMMSCOPE

COMMSCOPE TECHNOLOGIES

ARRIS

RUCKUS WIRELESS

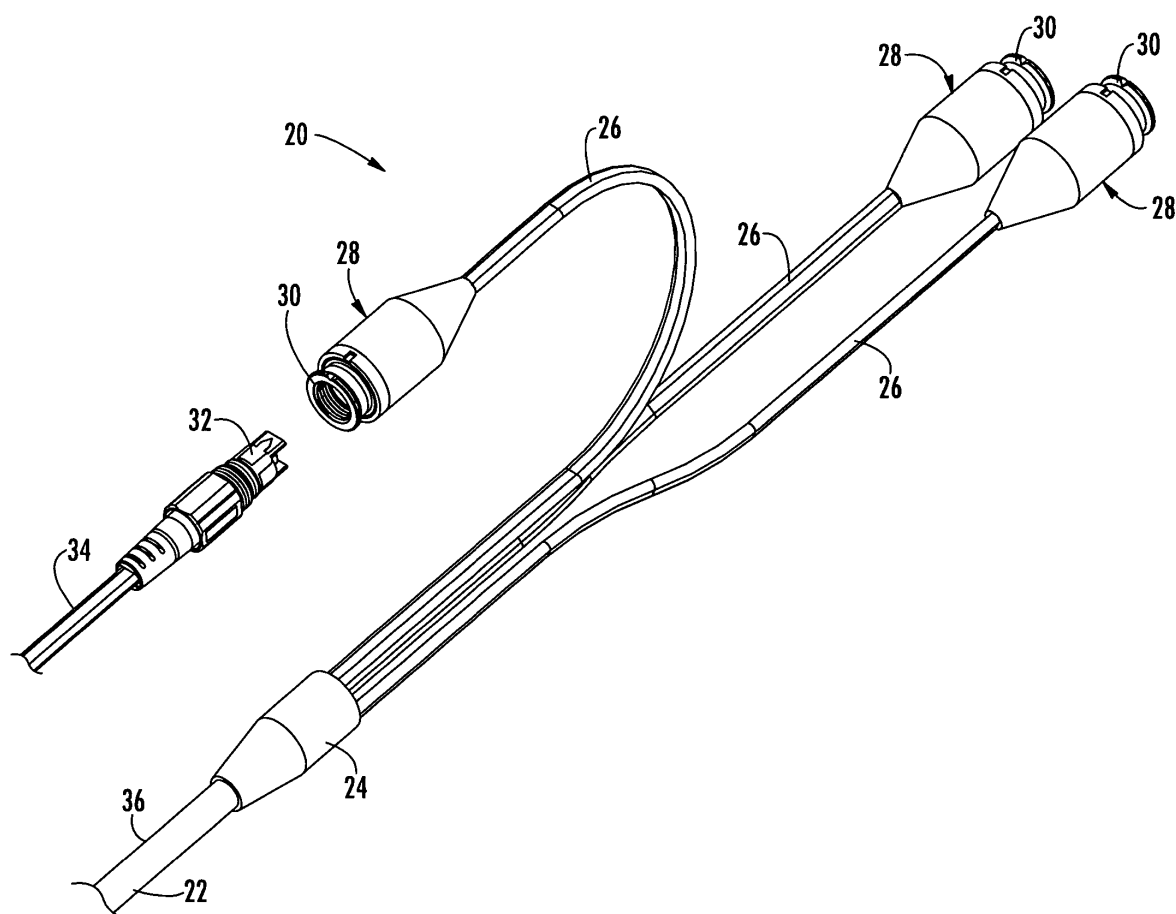
Family 45/100 - FAMPAT - ©Questel

Title

(WO200660250)

Tether assembly having individual connector ports

Images



Publication data including kind & date

JP2008501154	A	2008-01-17	JP2008501154
US7277614	B2	2007-10-02	US7277614
WO2006/060250	A3	2006-09-08	WO200660250
US20060120672	A1	2006-06-08	US20060120672
WO2006/060250	A2	2006-06-08	WO200660250



Abstract

(WO2006/060250)

A tether assembly (20) includes a tether cable (22) containing optical fibers and adapted to be attached to a **fiber optic** distribution cable at a mid-span access location. A furcation (24) at the end of the tether cable separates and transitions the optical fibers into furcation legs (26) terminating in individual connector ports (28). Each connector port may be a receptacle (30) for receiving a connector mounted upon one of the optical fibers and a mating connector (32) of a drop cable (34), a plug mounted upon one of the optical fibers that is received within a plug alignment member operable to align the plug with a mating plug of a drop cable, or a connector that is routed to a receptacle disposed within an external wall of a network connection terminal from within the **enclosure**. The tether assembly provides a distribution cable assembly and method for mitigating a span length measurement difference in a pre-engineered communications network.

Inventors

CODY JOSEPH T
SZENTESI OTTO I
CURRAN MARTIN J

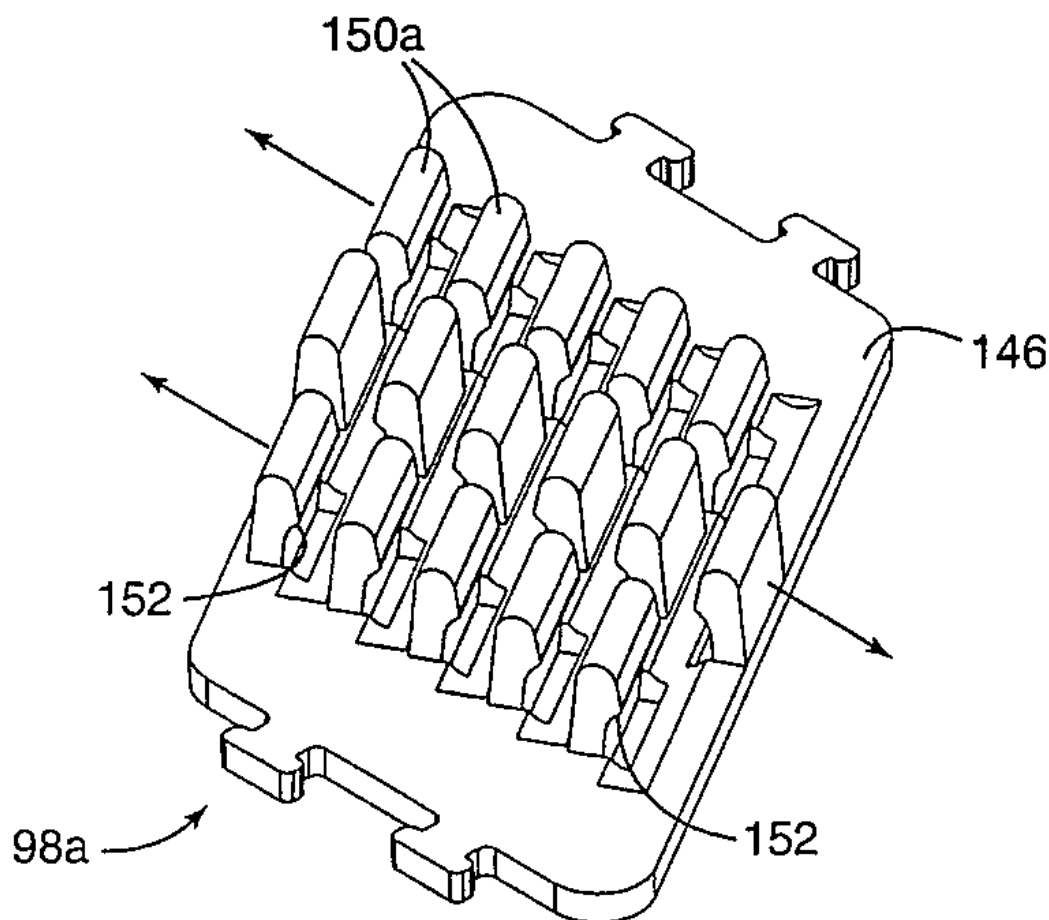
Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

Family 46/100 - FAMPAT - ©Questel

Title

Images



DE69613219	T2	2002-04-25	DE69613219
ES2157425	T3	2001-08-16	ES2157425
DE69613219	D1	2001-07-12	DE69613219
EP0817985	B1	2001-06-06	EP-817985
RU2164357	C2	2001-03-20	RU2164357
AU706374	B2	1999-06-17	AU-706374
JPH11502945	A	1999-03-09	JP11502945
NZ303555	A	1999-01-28	NZ-303555
KR19980703324	A	1998-10-15	KR19987003324
BR9607818	A	1998-07-07	BR9607818
BRPI9607818	A1	1998-07-07	BRPI9607818
CN1179833	A	1998-04-22	CN1179833
EP0817985	A1	1998-01-14	EP-817985
NO973990	L	1997-12-01	NO-973990
MX9707081	A	1997-11-29	MX9707081
AR001548	A1	1997-11-26	AR---1548
ZA9601991	B	1997-09-12	ZA9601991
NO973990	D0	1997-08-29	NO9703990
US5590234	A	1996-12-31	US5590234
AU4990896	A	1996-10-16	AU9649908



CA2215055	A1	1996-10-03	CA2215055
WO96/30791	A1	1996-10-03	WO9630791
IL117354	A	1996-07-23	IL-117354

**Abstract**

(EP0817985)

A **fiber optic** splice organizer including a **fiber optic** storage tray having a region for receiving a splice insert (98a), and at least one splice insert (98a) having a pad (146) and a plurality of flexible arms (150a) attached and extending generally perpendicular to the pad (146), the arm (150a) positioned to form a series of parallel grooves for receiving individual **fiber optic** components, such as splice elements, and the arms (150a) being staggered along a given one of the grooves to provide a multi-point load on any component inserted therein. There are preferably at least three arms (150a) on each side of a given groove, and each of the arms (150a) advantageously has a hook (152) or other latching element formed thereon for retaining the optical component, with hooks (152) on arms (150a) along a given side of one of the grooves alternately facing in opposite directions. In one embodiment, the pad (146) is provided with ears to engage respective cutouts in the tray. The pad, ears and arms may be integrally formed (injection molded) of a flexible material such as natural or synthetic rubbers, polyurethane, EPDM, Neoprene or nitrile, or blends of these materials, including blends with polypropylene. The material should have a hardness in the range of 30 Shore A to 50 Shore D, and preferably in the range of 60-80 Shore A.

Inventors

PULIDO JACQUELINE J

Latest standardized assignees - inventors removed

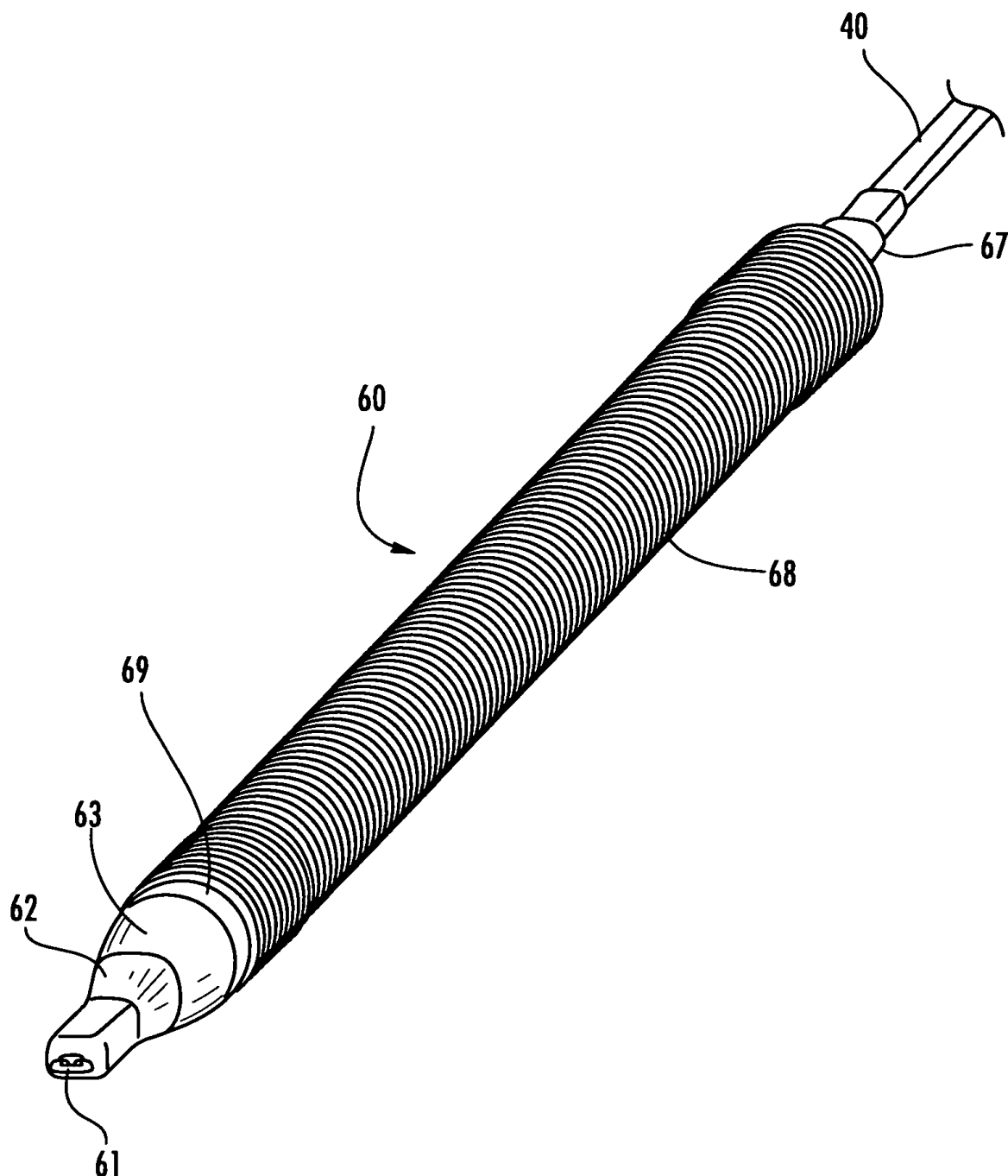
3M

Family 47/100 - FAMPAT - ©Questel

Title

(EP2062082)

Preconnectorized **fiber optic** cable assembly**Images**



Publication data including kind & date

AU2008209645	B2	2012-01-19	AU2008209645
CN101583893	A	2009-11-18	CN101583893
EP2062082	A1	2009-05-27	EP2062082
WO2008/091482	A9	2008-09-18	WO200891482
AU2008209645	A1	2008-07-31	AU2008209645
WO2008/091482	A1	2008-07-31	WO200891482
US20080175548	A1	2008-07-24	US20080175548



Abstract

(EP2062082)

A cable assembly configured to be deployed in a **fiber optic** communications network includes a pulling grip body disposed at an upstream end of the cable assembly and a preconnectorized distribution cable having a plurality of optical fibers and at least one strength member. The pulling grip body includes a pulling loop that is mechanically coupled to the strength member to permit a high tensile load to be transferred to the distribution cable without inducing relative movement between the cable elements. The pulling grip body is preferably formed by overmolding the pulling loop and the strength member with a flexible encapsulant material. At least one multifiber connector is terminated to optical fibers of the distribution cable

at the upstream end. The pulling grip assembly and the preconnectorized distribution cable have a low profile capable of being pulled through a conduit.

Inventors

KNECHT DENNIS M

LEWALLEN CHRISTOPHER PAUL

LUTHER JAMES P

Latest standardized assignees - inventors removed

CORNING CABLE SYSTEMS

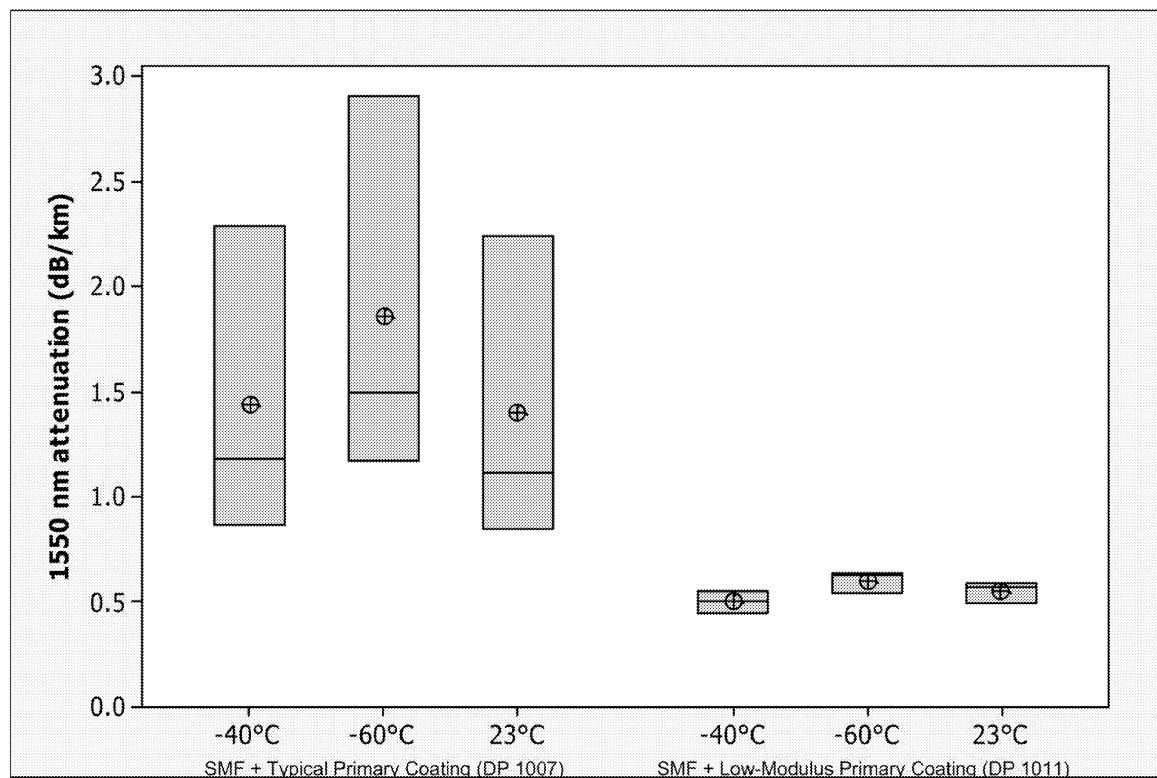
Family 48/100 - FAMPAT - ©Questel

Title

(EP2344911)

Reduced-diameter optical fiber

Images



Publication data including kind & date

IN301664	B	2018-09-28	IN-301664
CN102272635	B	2017-04-12	CN102272635B
US9244220	B2	2016-01-26	US9244220
ES2543879	T3	2015-08-25	ES2543879
DK2344911	T3	2015-07-13	DK2344911T
EP2344911	B1	2015-04-29	EP2344911
JP5588451	B2	2014-08-01	JP5588451
US20140086548	A1	2014-03-27	US20140086548
US8600206	B2	2013-12-03	US8600206
JP2012508395	A	2012-04-05	JP2012508395
IN3371/DELNP/2011	A	2012-03-30	IN2011DN03371
CN102272635	A	2011-12-07	CN102272635
EP2344911	A2	2011-07-20	EP2344911
WO2010/053356	A3	2011-06-23	WO201053356



[WO2010/053356](#)

A2 2010-05-14

WO201053356

[US20100119202](#)

A1 2010-05-13

US20100119202

**Abstract**

(EP2344911)

The present invention relates to a reduced-diameter optical **fiber** that employs a novel coating system. When combined with a bend-insensitive glass **fiber**, the novel coating system according to the present invention yields an optical **fiber** having exceptionally low losses. The coating system features (i) a softer primary coating with excellent low- temperature characteristics to protect against microbending in any environment and in the toughest physical situations and, optionally, (ii) a colored secondary coating possessing enhanced color strength and vividness. The secondary coating provides improved ribbon characteristics for structures that are robust, yet easily entered (i.e., separated and stripped). The optional dual coating is specifically balanced for superior heat stripping in **fiber** ribbons, with virtually no residue left behind on the glass. This facilitates fast splicing and terminations. The improved coating system provides optical fibers that offer significant advantages for deployment in most, if not all, f?ber-to-the-premises (FTTx) systems.

Inventors

OVERTON BOB J

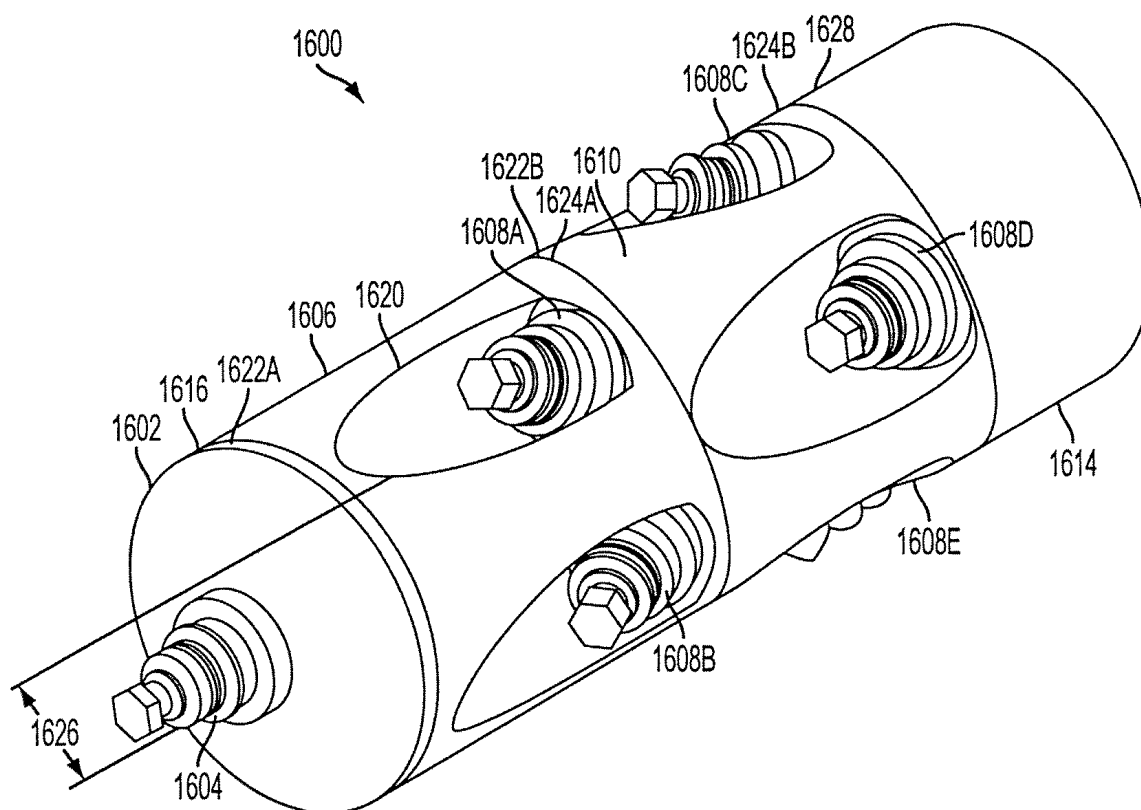
Latest standardized assignees - inventors removed

DRAKA COMTEQ

Family 49/100 - FAMPAT - ©Questel

Title

(EP1815284)

Optical **fiber** drop terminal**Images****Publication data including kind & date**[US20190041595](#)

A1 2019-02-07

US20190041595

[US10042136](#)

B2 2018-08-07

US10042136

[US9851522](#)

B2 2017-12-26

US9851522

[US20170168256](#)

A1 2017-06-15

US20170168256



US20170023758	A1	2017-01-26	US20170023758				
HUE028353	T2	2016-12-28	HUE028353				
PL2261714	T3	2016-09-30	PL2261714				
DK2261714	T3	2016-07-04	DK2261714T				
ES2574994	T3	2016-06-23	ES2574994				
PT2261714	E	2016-06-09	PT2261714				
ES2572371	T3	2016-05-31	ES2572371				
EP3009870	A1	2016-04-20	EP3009870				
EP2261714	B1	2016-03-30	EP2261714				
EP2259116	B1	2016-03-02	EP2259116				
PT2259115	E	2013-10-10	PT2259115				
ES2424885	T3	2013-10-09	ES2424885				
US20130209099	A1	2013-08-15	US20130209099				
EP2259115	B1	2013-07-31	EP2259115				
US20120251063	A1	2012-10-04	US20120251063				
AU2010221805	B2	2012-09-13	AU2010221805				
AU2005301961	B2	2011-09-01	AU2005301961				
EP2261714	A3	2011-07-06	EP2261714				
EP2259115	A3	2011-06-22	EP2259115				
EP2259116	A3	2011-06-22	EP2259116				
CN101943781	A	2011-01-12	CN101943781				
US20100329625	A1	2010-12-30	US20100329625				
EP2261714	A2	2010-12-15	EP2261714				
EP2259115	A2	2010-12-08	EP2259115				
EP2259116	A2	2010-12-08	EP2259116				
US20100284662	A1	2010-11-11	US20100284662				
CN101095072	B	2010-10-27	CN101095072B				
AU2010221805	A1	2010-10-07	AU2010221805				
US7805044	B2	2010-09-28	US7805044				
BRPI0517936	A2	2010-06-22	BR200517936				
US7680388	B2	2010-03-16	US7680388				
US7627222	B2	2009-12-01	US7627222				
US20090148120	A1	2009-06-11	US20090148120				
US7489849	B2	2009-02-10	US7489849				
BRPI0517936	A	2008-10-21	BR200517936				
BRPI0517936	A1	2008-10-21	BRPI0517936				
US20080138025	A1	2008-06-12	US20080138025				
JP2008519312	A	2008-06-05	JP2008519312				
CN101095072	A	2007-12-26	CN101095072				
KR20070085684	A	2007-08-27	KR20070085684				
EP1815284	A1	2007-08-08	EP1815284				
IN1565/KOLNP/2007	A	2007-07-27	IN2007KN01565				
MX2007005303	A	2007-06-11	MX2007005303				
US20060153517	A1	2006-07-13	US20060153517				
AU2005301961	A1	2006-05-11	AU2005301961				
WO2006/050505	A1	2006-05-11	WO2006050505				
US20060093303	A1	2006-05-04	US20060093303				

Abstract

(EP1815284)

A **fiber** drop terminal may include a housing having an outer surface containing a plurality of receptacles. The housing may include a lower surface and an inner cavity. The **fiber** drop terminal may include a **fiber** storage cavity occupying a portion of the inner cavity. The storage cavity may store a plurality of **fiber** coils at an angle.

Inventors

REAGAN RANDY

GNIADEK JEFFREY

NOONAN MICHAEL

BAREN-BOYM MICHAEL

Latest standardized assignees - inventors removed

COMMSCOPE

COMMSCOPE TECHNOLOGIES

ARRIS

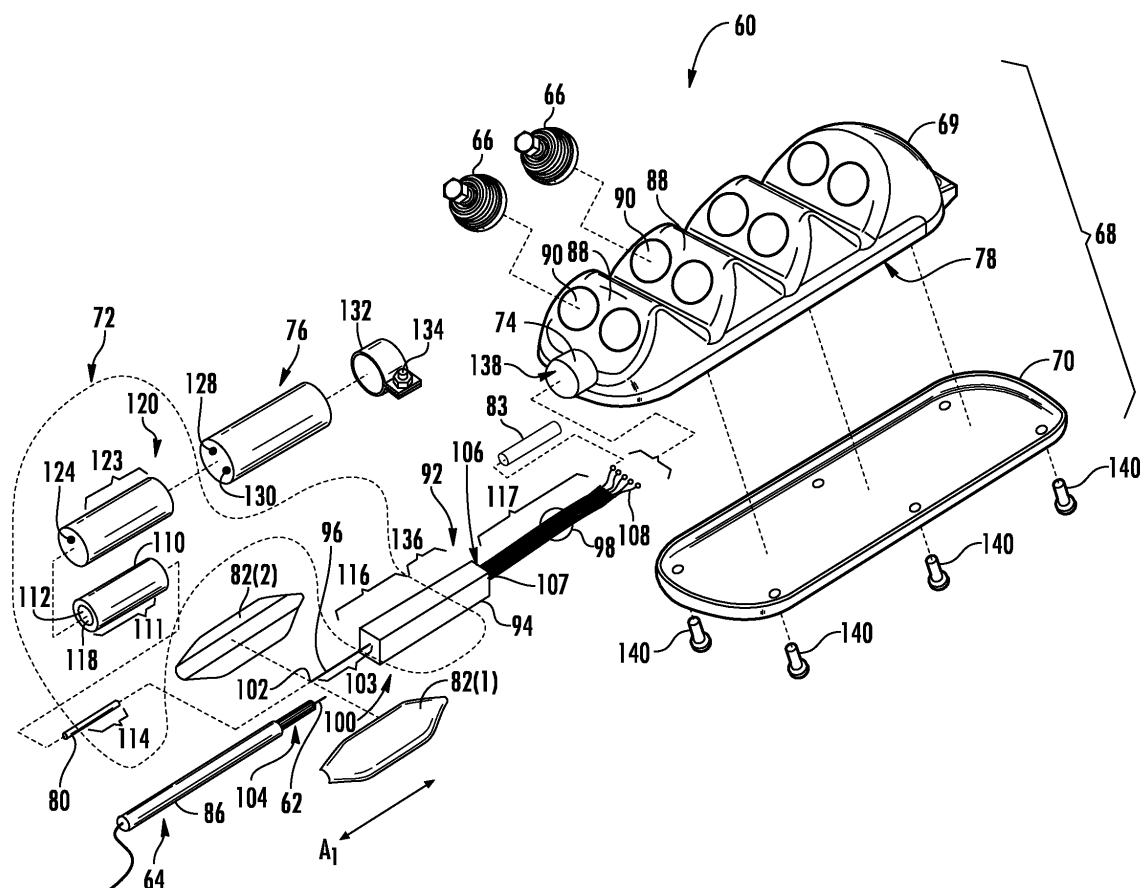
RUCKUS WIRELESS

Family 50/100 - FAMPAT - ©Questel

Title

(WO201303195)

Multi-port optical connection terminal assemblies supporting optical signal splitting, and related terminals and methods

Images**Publication data including kind & date**[US9354417](#)

B2 2016-05-31 US9354417

[US20130004122](#)

A1 2013-01-03 US20130004122

[WO2013/003195](#)

A1 2013-01-03 WO201303195

**Abstract**

(WO2013/003195)

Multi-port optical connection terminal assemblies, related terminals and methods are disclosed herein. In one embodiment, a multi-port optical connection terminal assembly may include an **enclosure** (68) including an internal cavity, an input orifice (89), and optical connection nodes (66). The multi-port optical connection terminal assembly may also include an optical splitter (92) comprising a body (94), an input optical **fiber** (96), and output optical fibers (98). At least a portion of the body of the optical splitter may be disposed outside the internal cavity of the **enclosure**. The input optical **fiber** of the optical splitter may be disposed outside the internal cavity of the **enclosure**, and the plurality of the output optical fibers of the optical splitter may be disposed inside the internal cavity. In this manner, the **enclosure** of the multi-port optical connection terminal assembly is not required to be sized to completely contain the optical splitter.

Inventors

KINGSBURY BRIAN D

Latest standardized assignees - inventors removed

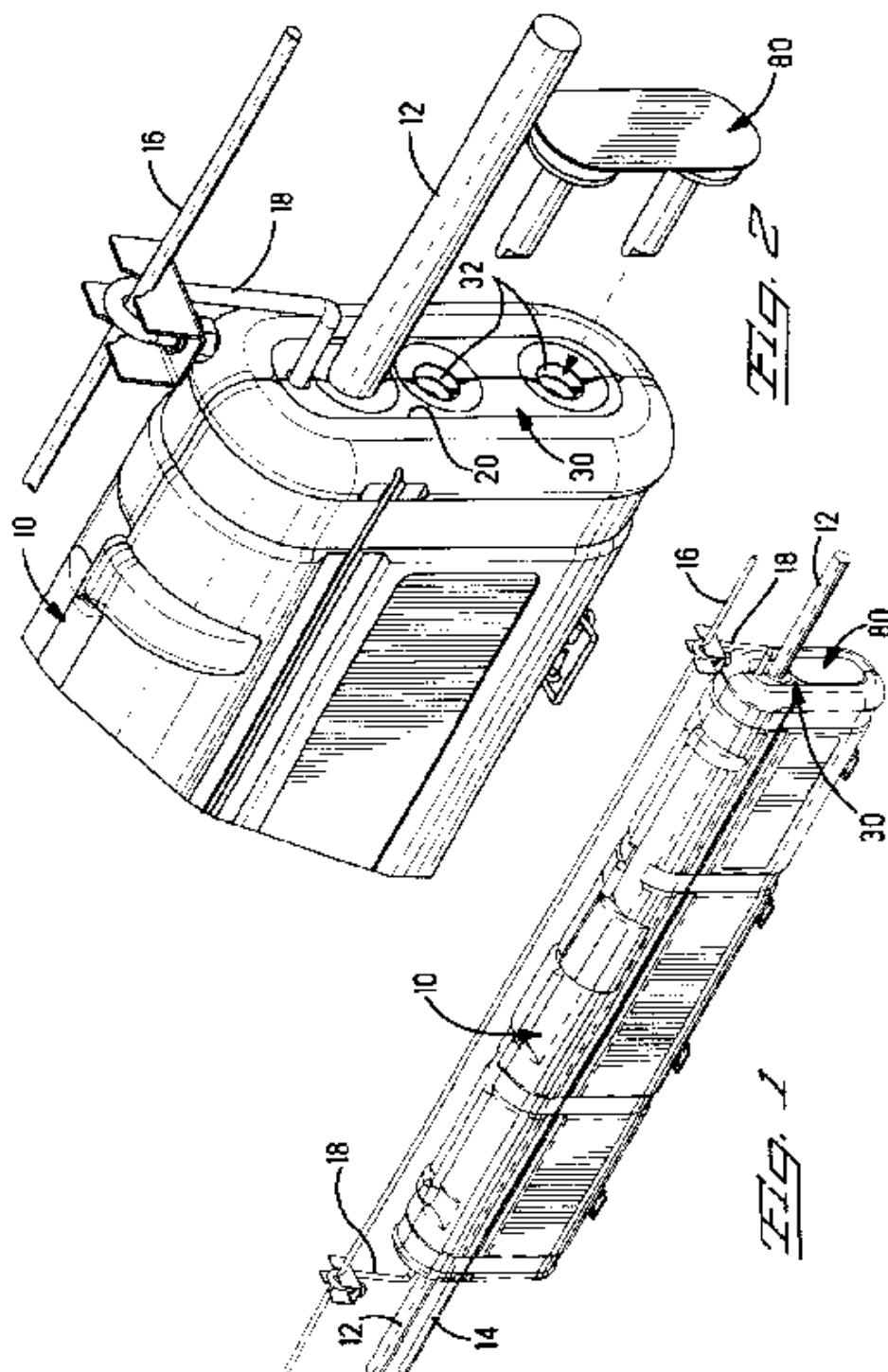
CORNING OPTICAL COMMUNICATIONS

Family 51/100 - FAMPAT - ©Questel

Title

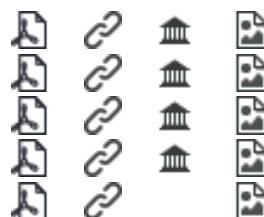
(US5825960)

Fiber optic management system**Images**



Publication data including kind & date

US5825960	A	1998-10-20	US5825960
JP10048436	A	1998-02-20	JP10048436
DE19718108	A1	1997-11-13	DE19718108
GB2312758	A	1997-11-05	GB2312758
GB9708853	D0	1997-06-25	GB9708853



Abstract

(US5825960)

The invention comprises a **fiber optic** management system with a tray having a first **fiber optic** receiving area to receive an input optical **fiber**. A second **fiber optic** receiving area receives a tap **fiber**. A **fiber optic** splice connector is disposed between the first and the second **fiber optic** receiving area to receive the input **fiber** from one side and the tap **fiber** from

another side. The first and the second **fiber optic** receiving areas can be loaded with their respective fibers without disturbing the other **fiber optic** receiving area.

Inventors

WOODWARD MERVYN

DOLLYHIGH DANNY GRAY

Latest standardized assignees - inventors removed

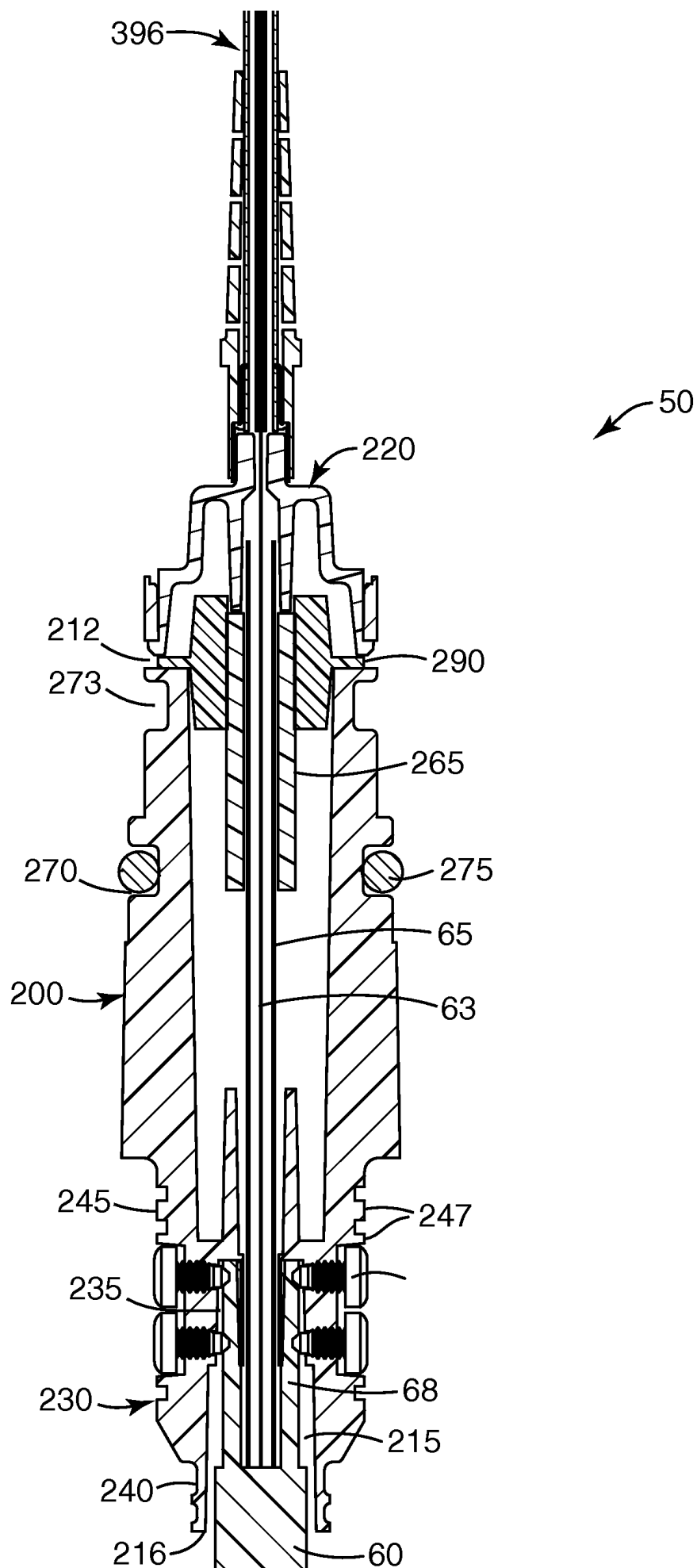
WHITAKER

Family 52/100 - FAMPAT - ©Questel

Title

(EP2130079)

Optical **fiber** cable inlet device and telecommunications **enclosure** system**Images**



Publication data including kind & date

US8879883	B2	2014-11-04	US8879883				
CN101636679	B	2012-04-18	CN101636679B				
EP2130079	A4	2011-05-18	EP2130079				
JP2010521707	A	2010-06-24	JP2010521707				
US7738759	B2	2010-06-15	US7738759				
US20100086260	A1	2010-04-08	US20100086260				
CN101636679	A	2010-01-27	CN101636679				
EP2130079	A1	2009-12-09	EP2130079				
MX2009009595	A	2009-09-16	MX2009009595				
AR065744	A1	2009-06-24	AR--65744				
US20090060421	A1	2009-03-05	US20090060421				
TW200900774	A	2009-01-01	TW200900774				
WO2008/115795	A1	2008-09-25	WO2008115795				

Abstract

(EP2130079)

An inlet device is described for inserting a cable containing optical fibers into a telecommunications **enclosure**. The inlet device includes a housing with a strength member securing section configured to fasten at least one strength member to the housing. The inlet device further includes a **fiber** guide device. The inlet device may be used in a single **fiber** optical cable assembly or multi-**fiber** optical cable assembly. A method for preparing a cable assembly is also described. A telecommunications **enclosure** including an inlet device is also described.

Inventors

PARIKH RUTESH D
 ALLEN WILLIAM G
 REBERS KENNETH D
 VAN ALLEN JOSEPH M
 PARRETT GEORGE W
 BLUDAU THOMAS E

Latest standardized assignees - inventors removed

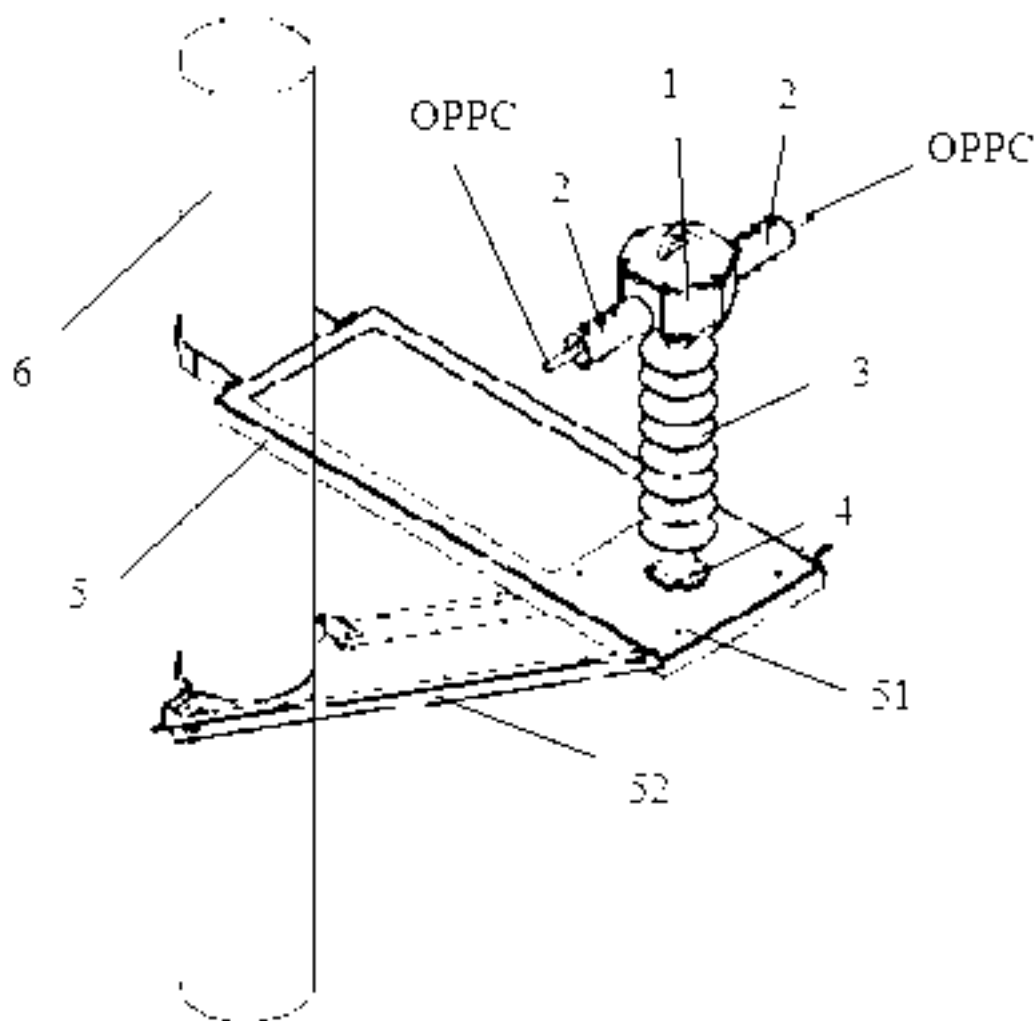
3M
 CORNING RESEARCH & DEVELOPMENT

Family 53/100 - FAMPAT - ©Questel

Title

(CN202614995U)

Rod middle joint device of insulated optical **fiber** composition phase conductor (OPPC cable)**Images**

**Publication data including kind & date**

CN202614995

U

2012-12-19

CN202614995U

**Abstract**

(CN202614995)

The utility model provides a rod middle joint device of an insulated optical **fiber** composition phase conductor (OPPC cable). The rod middle joint device comprises: a mounting bracket, which is fixed on a wire rod; a connecting **box** body; fixing clamps respectively arranged on the two ends of the connecting **box** body, wherein the two fixing clamps respectively introduce the optical **fiber** in the OPPC cable into the connecting **box** body to connect; an insulator, wherein the top of the insulator is connected with the bottom of the connecting **box** body, and the bottom is fixedly arranged on the mounting bracket. The rod middle joint device with a simple structure is fixedly arranged on the wire rod, and used for conveniently connecting the OPPC cable, simultaneously the rod middle joint device has a sealing function, so as to well protect the OPPC cable and effectively improve the connectivity of the cable.

Inventors

ZHANG QING

LU ZHENGJIA

XIE SHUHONG

HE CANGPING

LU HAO

Latest standardized assignees - inventors removed

SHANGHAI MUNICIPAL ELECTRIC POWER

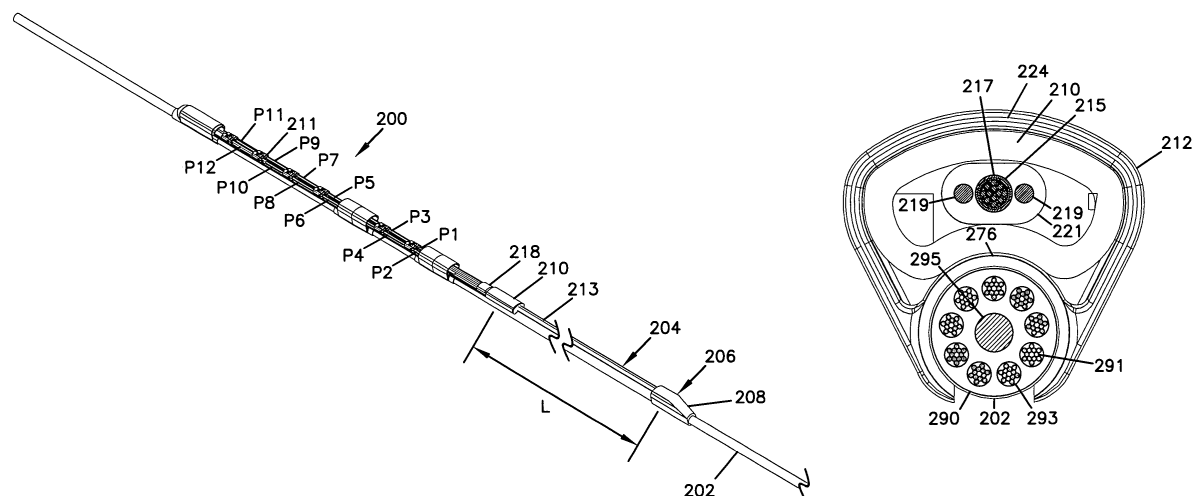
SHANGHAI ELECTRIC POWER COMMUNICATION

ZHONGTIAN HITACHI **FIBER OPTIC** CABLE

Family 54/100 - FAMPAT - ©Questel

Title

(WO200758967)

Fiber optic cable breakout system, packaging arrangement, and method of installation**Images****Publication data including kind & date**

US7418177	B2	2008-08-26	US7418177
WO2007/058967	A1	2007-05-24	WO200758967
US20070104446	A1	2007-05-10	US20070104446

**Abstract**

(WO2007/058967)

The disclosure relates to **fiber optic** cable systems, packaging configurations and methods that facilitate the effective use and installation of pre-terminated **fiber optic** cable. A **fiber optic** cable breakout arrangement includes a main cable (202), a branch cable (204) that separates from the main cable, the branch cable including a plurality of pigtails (P1, P2, ...) including optical fibers individually connected to separate **fiber optic** connectors (211), and an elongate protective sheath (210). Fibers of the branch cable are packaged in the sheath to secure the fibers to the exterior of the main cable. In certain embodiments, the sheath has a profile height (H) extending generally radially outwardly from the main cable and a width (W) that is greater than the profile height. In a further embodiment, at least one clip (212) is attached to a position on the main cable, each clip being configured to secure the sheath to the main cable when the sheath is inserted through the clip, and each clip being configured to remain at the position on the main cable when the sheath is pulled from the breakout location.

InventorsLU YU
COBB JOHN CLIFTON**Latest standardized assignees - inventors removed**COMMSCOPE TECHNOLOGIES
COMMSCOPE
ANDREW
REDWOOD SYSTEMS
ARRIS
RUCKUS WIRELESS

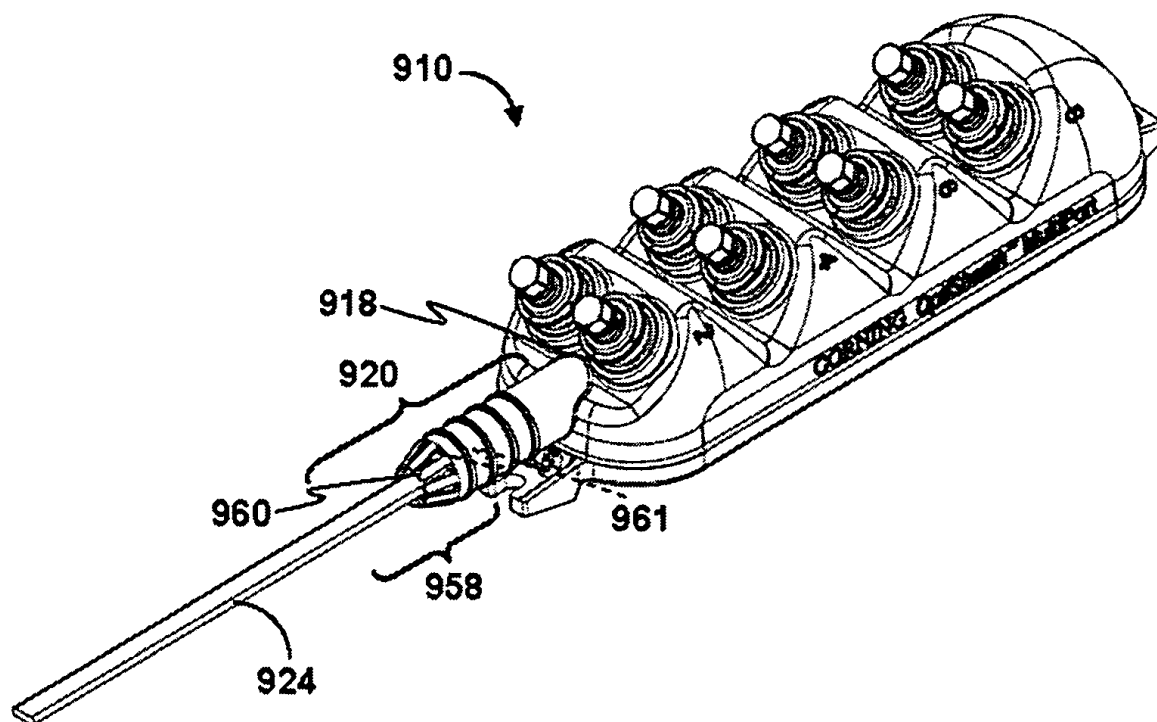
Family 55/100 - FAMPAT - ©Questel

Title

(EP2193394)

Multi-port optical connection terminal

Images



Publication data including kind & date

AU2008301918	B2	2014-11-06	AU2008301918
CN101802671	A	2010-08-11	CN101802671
US7740409	B2	2010-06-22	US7740409
EP2193394	A1	2010-06-09	EP2193394
AU2008301918	A2	2010-05-20	AU2008301918
AU2008301918	A1	2009-03-26	AU2008301918
WO2009/038694	A1	2009-03-26	WO200938694
US20090074369	A1	2009-03-19	US20090074369



Abstract

(EP2193394)

An optical device includes at least one optical **fiber** cable receiving area for receiving at least one optical **fiber** cable, the receiving area being sized to receive a covering for covering at least a portion of the transition area (920), and at least one optical **fiber** cable transition portion disposed at the receiving area, the optical **fiber** cable transition portion being responsive to and supporting the covering when pressure from the covering is applied to the transition area (920) and the covering and said transition area (920) together form a buffer zone associated with at least a portion of the cable receiving area. Methods include providing a multi-port optical connection terminal (910) having a stub cable port (918); connecting a stub cable assembly including a stub cable (924) to the stub cable port (918); and forming a sloped buffer zone (958) between the stub cable port (918) and the stub cable (924) to relieve stress in the stub cable (924).

Inventors

STRAUSE KEVIN L

BOLTON ALBERT M

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

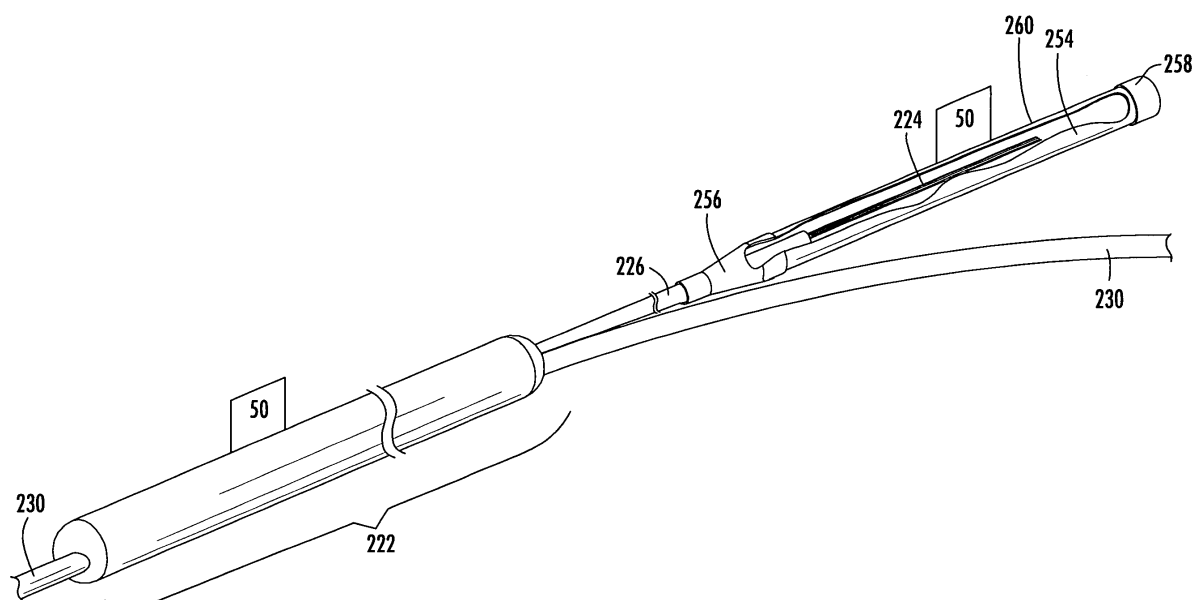
Family 56/100 - FAMPAT - ©Questel

Title

(EP1872158)

Methods and apparatus for facilitating cable locating by using transponder

Images



Publication data including kind & date

JP2008537181	A	2008-09-11	JP2008537181
EP1872158	A1	2008-01-02	EP1872158
US7197214	B2	2007-03-27	US7197214
WO2006/115541	A1	2006-11-02	WO2006115541
US20050259930	A1	2005-11-24	US20050259930



Abstract

(EP1872158)

A method of laying an at least partially buried **fiber optic** cable includes placing a **fiber optic** cable with at least one associated alternating electromagnetic field emitting locating transponder (AEFELT) underground such that at least one AEFELT is buried underground.

Inventors

ELKINS ROBERT B II
LUTHER JAMES P
NIELSEN LARS K
THEUERKORN THOMAS
HURLEY WILLIAM C
OTT MICHAEL J
JACKMAN WILLIAM S

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

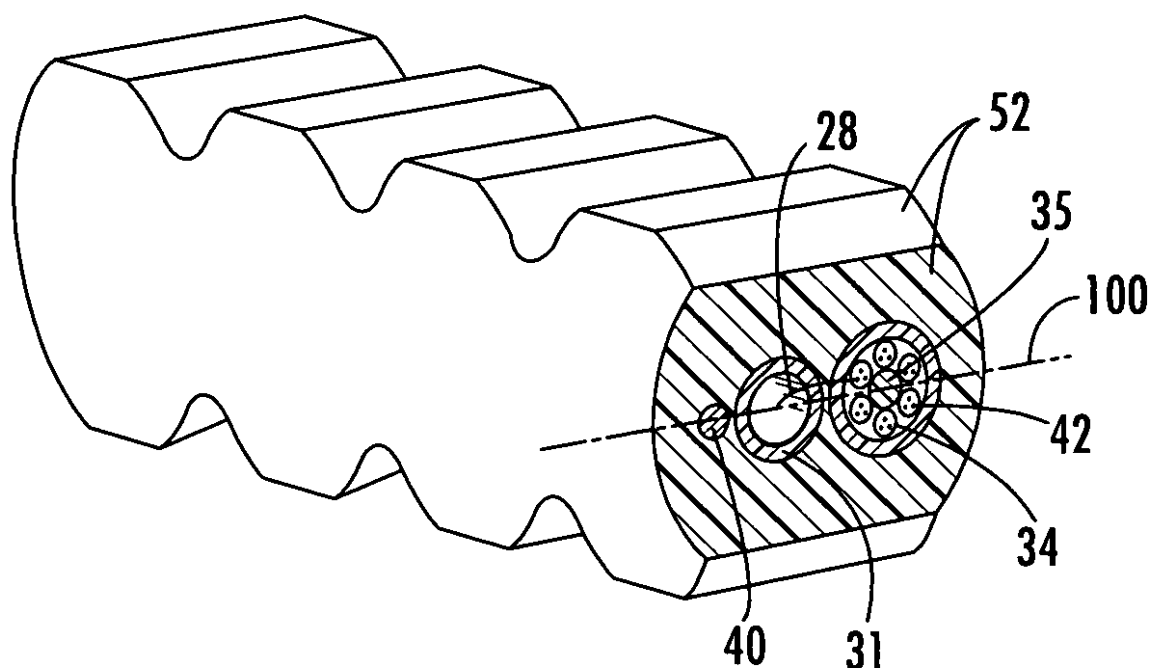
Family 57/100 - FAMPAT - ©Questel

Title

(US9297626)

Aquatic vessel **fiber optic** network

Images



Publication data including kind & date

JP5121448	B2	2012-11-02	JP5121448
ES2386289	T3	2012-08-16	ES2386289
PT1831746	E	2012-07-05	PT1831746
AT555404	T	2012-05-15	ATE555404
EP1831746	B1	2012-04-25	EP1831746
JP2008501155	A	2008-01-17	JP2008501155
EP1831746	A1	2007-09-12	EP1831746
US7155093	B2	2006-12-26	US7155093
WO2006/071412	A1	2006-07-06	WO200671412
US20050259929	A1	2005-11-24	US20050259929



Abstract

(EP1831746)

A **fiber optic** distribution cable assembly having at least one factory-prepared mid-span access location (22) for accessing and terminating optical fibers of the distribution cable includes a tether (26) containing at least one optical **fiber** (24) optically connected to an optical **fiber** (28) terminated from the distribution cable and an overmolded body (52) encapsulating the distribution cable and a portion of the tether to form the mid-span access location. The mid-span access location is provided with a preferential bend along an axis that is common to the distribution cable and the tether by a strength member positioned within the overmolded body and/or the overmolded body having a geometrical configuration that promotes bending along the common axis. The preferential bend reduces any path length differences between terminated optical fibers routed substantially on the common axis and optical fibers remaining within the distribution cable induced by bending, thereby preventing breakage of the terminated optical fibers.

Inventors

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Latest standardized assignees - inventors removed

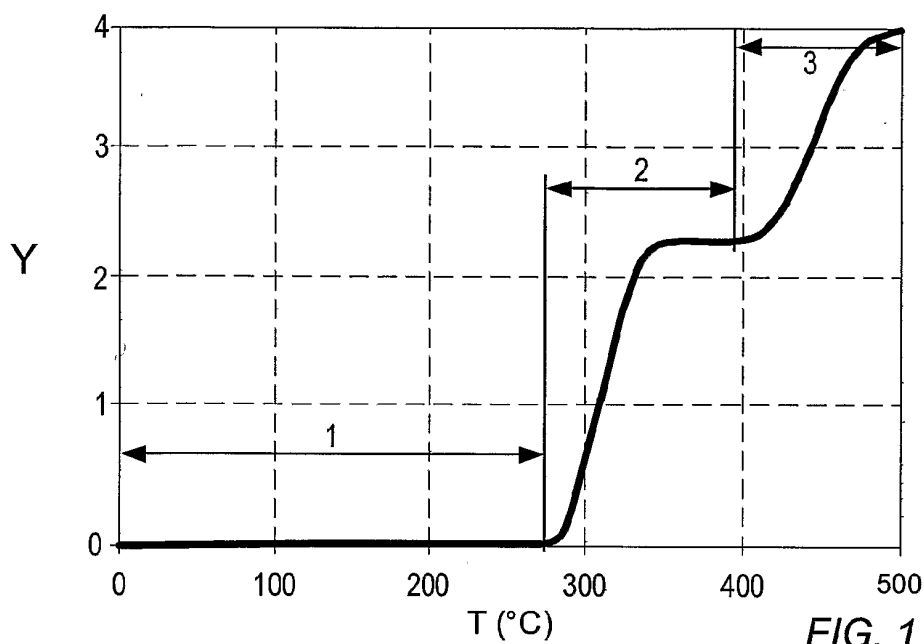
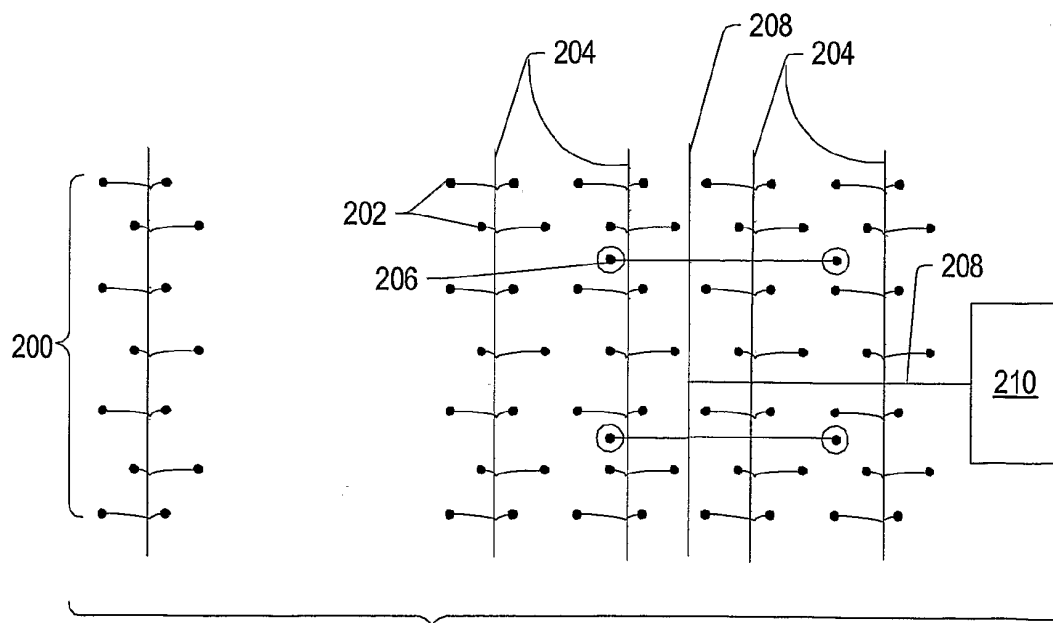
CORNING OPTICAL COMMUNICATIONS

Family 59/100 - FAMPAT - ©Questel

Title

(EP1871858)

Treatment of gas from an in situ conversion process

Images**FIG. 1****FIG. 2****Publication data including kind & date**

IN279705	B	2017-02-03	IN-279705
EP1871978	B1	2016-11-23	EP1871978
IN272167	B	2016-03-25	IN-272167
IN271554	B	2016-02-26	IN-271554
IN267239	B	2015-07-10	IN-267239
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WO2006/116207	A3	2007-06-14	WO2006116207				
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WO2006/116133	A1	2006-11-02	WO2006116133				
WO2006/116207	A2	2006-11-02	WO2006116207				

Abstract

(EP1871858)

The invention provides methods of producing methane that include: producing formation fluid from a subsurface in situ conversion process and separating the formation fluid to produce a liquid stream and a first gas stream. The first gas stream includes olefins. The first gas stream is contacted with a hydrogen source in the presence of one or more catalysts to produce a second gas stream. Steam, carbon monoxide, and/or hydrogen may be present or added to in the first stream during contacting. The second gas stream is contacted with a hydrogen source in the presence of one or more additional catalysts to produce a third gas stream that includes methane.

Inventors

DIAZ ZAIDA

DEL PAGGIO ALAN ANTHONY

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Latest standardized assignees - inventors removed

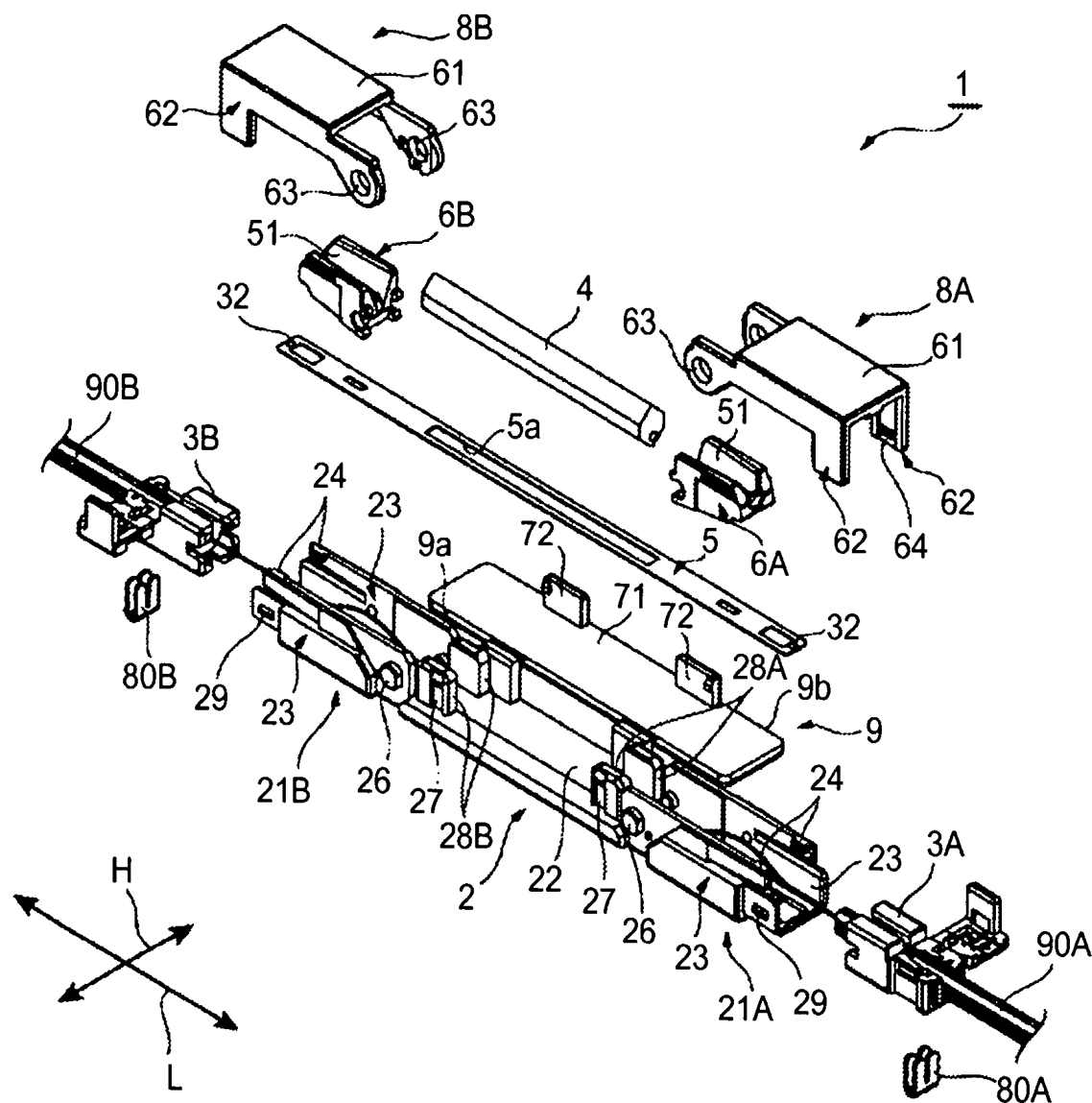
SHELL INTERNATIONALE RESEARCH

Family 60/100 - FAMPAT - ©Questel

Title

(EP2820459)

Optical **fiber** cable splicing **box****Images**



Publication data including kind & date

US9513450	B2	2016-12-06	US9513450
JP6032937	B2	2016-11-04	JP6032937
CN104254795	B	2016-03-16	CN104254795B
RU2576633	C1	2016-03-10	RU2576633
US20160018614	A1	2016-01-21	US20160018614
EP2820459	A4	2015-10-14	EP2820459
EP2820459	A1	2015-01-07	EP2820459
CN104254795	A	2014-12-31	CN104254795
JP2013210593	A	2013-10-10	JP2013210593
WO2013/130301	A1	2013-09-06	WO2013130301



Abstract

(EP2820459)

An optical **fiber** cable splicing **box** is provided that can easily connect together optical **fiber** cables that include a metal wire and an optical **fiber**. Optical **fiber** cable splicing **box** 1 includes a pair of cable holders 3A, 3B aligned in a predetermined direction fixed to a body 2, a mechanical splice 4 that optically connects together ends of optical fibers 91A and 91B, a pair of contact portions 80A and 80B respectively provided on the pair of cable holders 3A and 3B, and a metal plate 5 having conductivity. The contact portions 80A and 80B include a first connecting portion 84c that is electrically connected to metal wires 92a and 92b of optical **fiber** cables 90A and 90B by penetrating into a jacket 94, and a base portion 83 that is electrically conducting with the first connecting portion 84c and electrically connected to a metal plate 5.

Inventors

YAMAUCHI TAKAYA

Latest standardized assignees - inventors removed

3M

CORNING RESEARCH & DEVELOPMENT

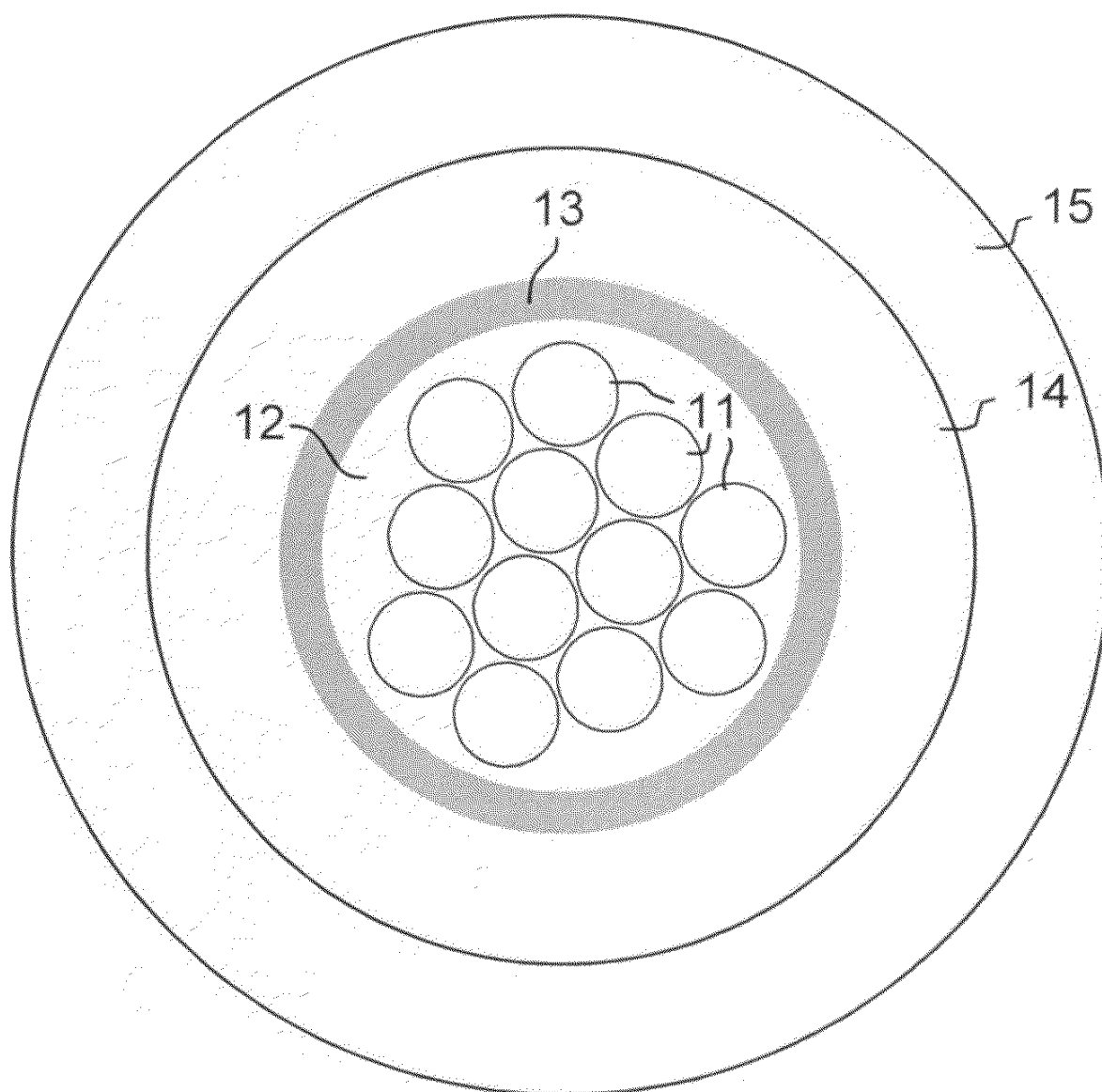
Family 61/100 - FAMPAT - ©Questel

Title

(EP2056148)

Optical fiber cables

Images



Publication data including kind & date

KR101548549	B1	2015-09-01	KR101548549
JP5610683	B2	2014-09-12	JP5610683
EP2056148	B1	2014-08-06	EP2056148
EP2056148	A3	2011-03-02	EP2056148
EP2056148	A2	2009-05-06	EP2056148
JP2009086663	A	2009-04-23	JP2009086663
US20090087154	A1	2009-04-02	US20090087154



KR20090033051

A 2009-04-01 KR20090033051

Abstract

(EP2056148)

Described are new cable designs for indoor installations wherein the cable comprises a dual-layer optical **fiber** buffer encasement of acrylate resin. The buffer encasement has an acrylate compliant inner layer that protects the **fiber** and minimizes stress transfer to the **fiber**; and a hard, tough acrylate outer layer that provides crush resistance. The dual-layer optical **fiber** buffer encasement is wrapped with reinforcing yarn and encased in an outer protective jacket. A dual jacket embodiment adapted for indoor/outdoor installations is also described.

Inventors

BRADLEY KELVIN B

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PEDDER JASON

WEIMANN PETER A

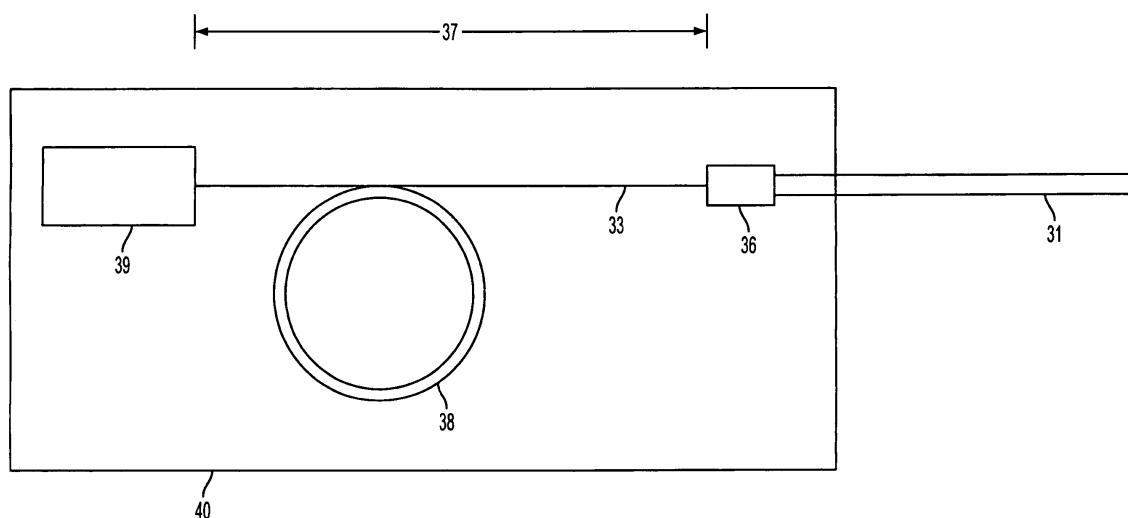
Latest standardized assignees - inventors removed

FURUKAWA ELECTRIC

Family 62/100 - FAMPAT - ©Questel

Title

(EP1557707)

Buffer tube coupling coil and method of installing a **fiber optic** cable**Images****Publication data including kind & date**

CN100432731	C	2008-11-12	CN100432731C
ES2297604	T3	2008-05-01	ES2297604
DE602005003596	D1	2008-01-17	DE602005003596
AT380355	T	2007-12-15	ATE380355
EP1557707	B1	2007-12-05	EP1557707
US7162128	B2	2007-01-09	US7162128
CN1651952	A	2005-08-10	CN1651952
US20050163440	A1	2005-07-28	US20050163440
EP1557707	A1	2005-07-27	EP1557707

**Abstract**

(EP1557707)

A method of installing a cable (31) including at least one communication element, such as an optical **fiber**, disposed in a buffer tube (33) and a surrounding jacket. The method includes the steps of exposing a portion of the buffer tube (33) over

a predetermined length (37) and forming the exposed portion of the buffer tube (33) into a coupling coil (38) having at least one loop. The cable installation method prevents **fiber** retraction in cable terminations by utilizing at least one coupling coil (38) formed from the exposed buffer tube (33) and advantageously yields coupling coil terminations with small diameter coils, requiring less cable for more efficient installation, and further provides for the coupling coil (38) to be located within a splice closure (40) for more visually pleasing terminations. Preferably, coupling coils (38) are formed at each end of the cable (31) and located in splice enclosures (40).

Inventors

STORAASLI OLAF

LOVIE RAY

Latest standardized assignees - inventors removed

DRAKA COMTEQ

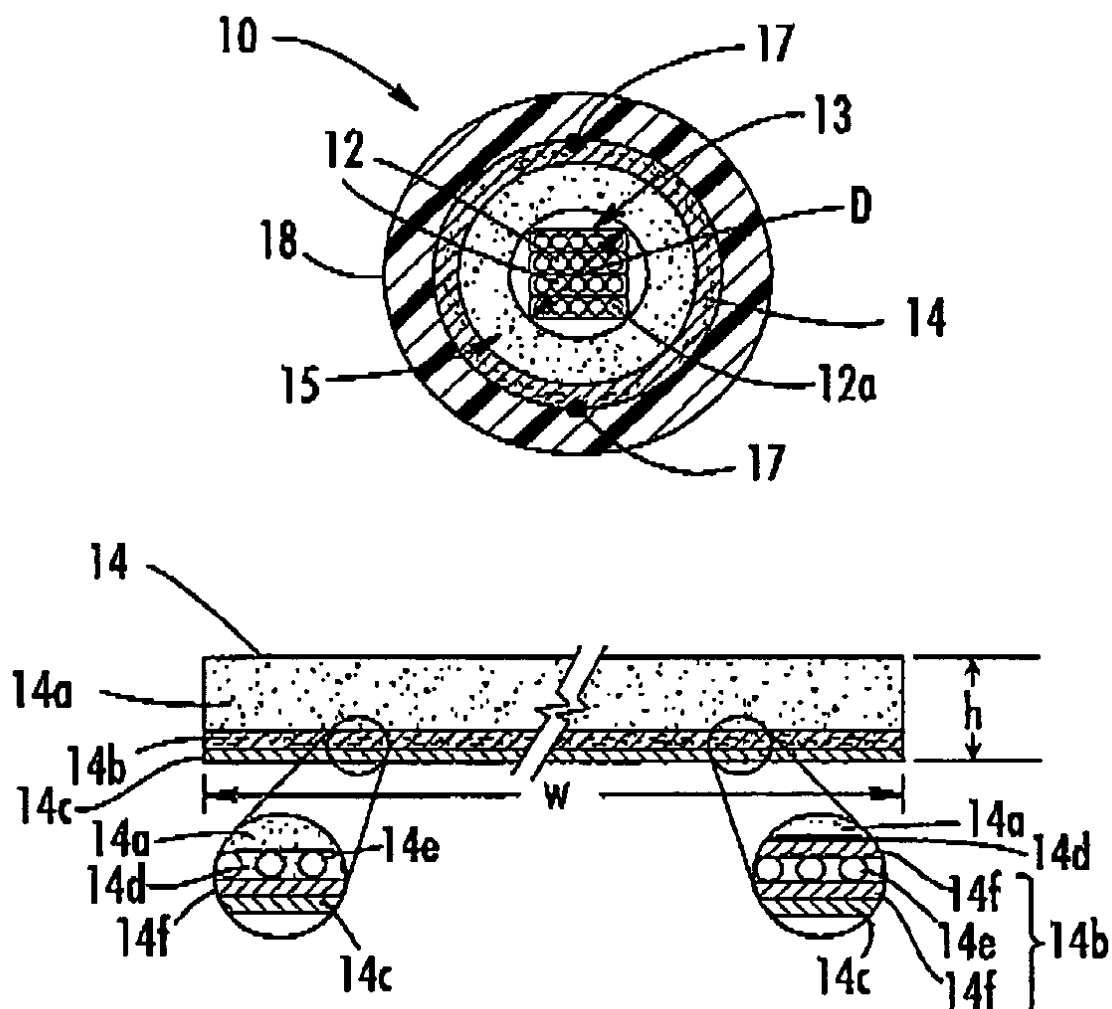
Family 63/100 - FAMPAT - ©Questel

Title

(WO2005121857)

Optical tube assembly having a dry insert

Images



Publication data including kind & date

DE112004002891	B4	2017-05-18	DE112004002891
CA2569748	C	2012-08-28	CA2569748
JP4948408	B2	2012-03-16	JP4948408
CN100472262	C	2009-03-25	CN100472262C
JP2008502025	A	2008-01-24	JP2008502025



DE112004002891	T5	2007-08-23	DE112004002891
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US7177507	B2	2007-02-13	US7177507
CA2569748	A1	2005-12-22	CA2569748
WO2005/121857	A1	2005-12-22	WO2005121857
US20040223707	A1	2004-11-11	US20040223707



Abstract

(WO2005/121857)

An optical tube assembly having at least one optical waveguide, at least one dry insert (14), and a tube. In one embodiment, the dry insert has a first layer and a second layer attached together with an adhesive. The dry insert also includes a plurality of particles having an average particle size of about 600 microns or less for inhibiting microbending. The first layer may be a polyurethane foam having an average cell size of about 1000 microns or less and the second layer is a water-swellable layer. The dry insert is disposed within the tube and generally surrounds the at least one optical waveguide and the tube assembly can be a portion of a **fiber optic** cable.

Inventors

PARSONS ALAN T

GREENWOOD JODY L

TEMPLE KENNETH D JR

LAIL JASON C

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

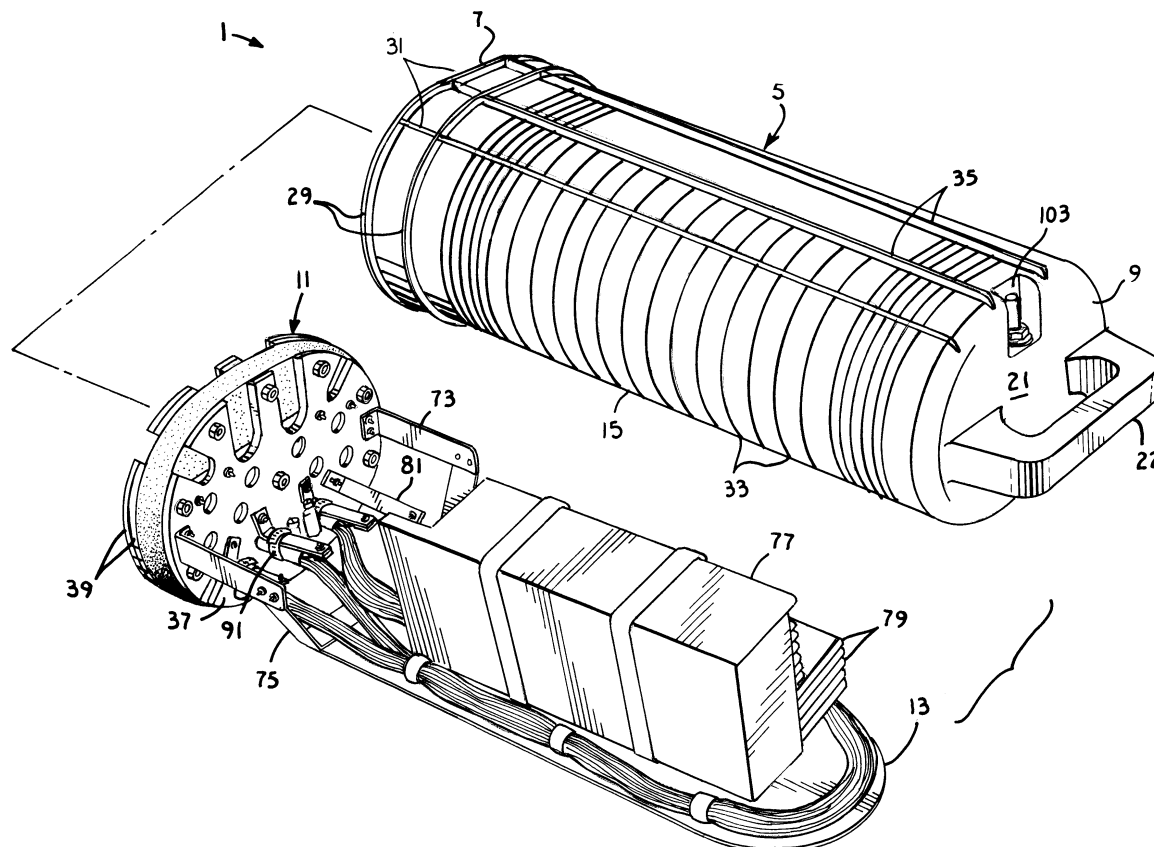
Family 64/100 - FAMPAT - ©Questel

Title

(US6628880)

Fiber optic cable splice **enclosure**

Images



[US6628880](#)

B2 2003-09-30 US6628880

[US20020146229](#)

A1 2002-10-10 US20020146229

Abstract

(US20020146229)

A **fiber optic** cable splice **enclosure** is disclosed, the **enclosure** comprising a cannister having an open end and an expansion seal assembly for closing the open end. The seal assembly includes a plurality of cable receiving ports for admitting **fiber optic** cables into the **enclosure**. The ports are in the form of slots extending inward from the outer edges of the seal assembly. The cannister and seal assembly are constructed with an oblong-round shape which provides for increased capacity of the cannister and more seal edge area for the seal assembly, allowing for additional ports as compared to a standard, cylindrical splice **enclosure**.

Inventors

ROBERTS JEFFREY D

Latest standardized assignees - inventors removed

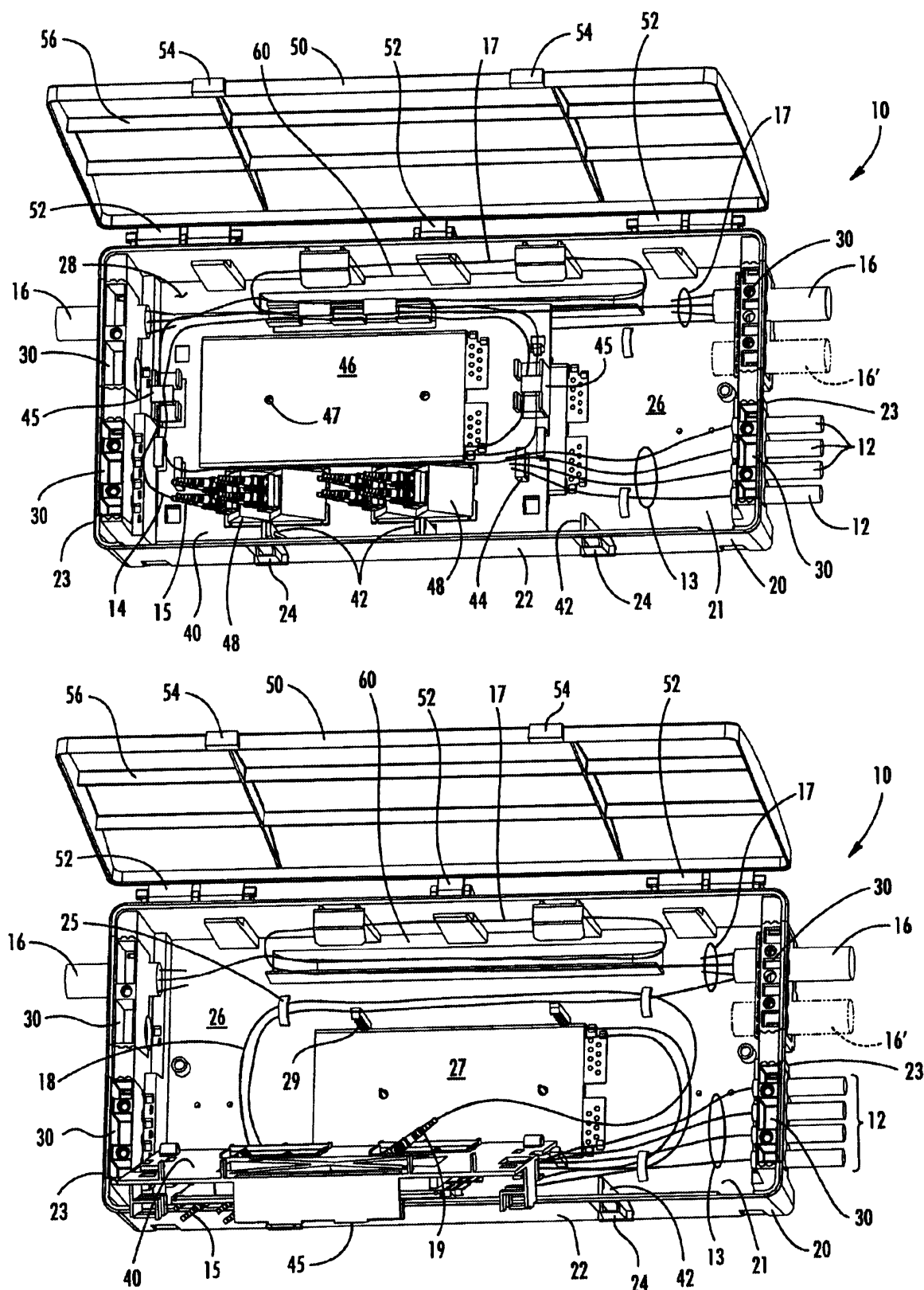
HUBBELL POWER SYSTEMS

Family 65/100 - FAMPAT - ©Questel

Title

(EP1316829)

Optical **fiber** distribution terminal for network access point**Images**



Publication data including kind & date

EP1316829	A3	2005-03-02	EP1316829
US6621975	B2	2003-09-16	US6621975
US20030103750	A1	2003-06-05	US20030103750
EP1316829	A2	2003-06-04	EP1316829
CA2409594	A1	2003-05-30	CA2409594



Abstract

(EP1316829)

A distribution terminal (10) is provided for interconnecting one or more **fiber optic** drop cables (12) with at least one **fiber optic** distribution cable (16) at a convenient access point in a telecommunications network. The terminal (10) comprises a

base (20) and a cover (50) adapted to be opened and closed on the base (20). The base (20) defines an interior cavity (21) having a lower **fiber** management area (26) for accessing the distribution cable (16') and an upper **fiber** management area (28) for accessing the drop cables (12). The upper **fiber** management area (28) includes a transition panel (40) that is movable relative to the base (20) to provide access to the lower **fiber** management area (26). Thus, both the lower **fiber** management area (26) and the upper **fiber** management area (28) are easily and readily accessible to a field technician initially installing the terminal (10) and subsequently reconfiguring the optical **fiber** connections within the terminal (10) at the access point.

Inventors

LAPORTE RICHARD B

BATTEY JENNIFER A

BLANKENSHIP AARON I

FONTAINE STEVE A

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

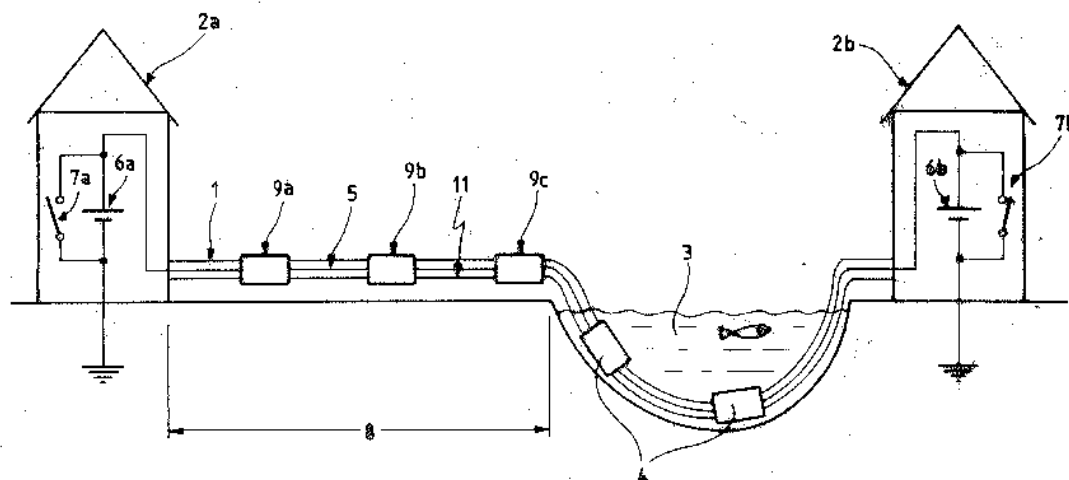
Family 66/100 - FAMPAT - ©Questel

Title

(FR2834399)

System for operating telecommunications/data transmission has a **fiber optic** cable with an electric wire between two stations separated by an ocean with repeaters to boost optical signals.

Images



Publication data including kind & date

FR2834399

A1 2003-07-04 FR2834399



Abstract

(FR2834399)

A **fiber optic** cable (1) with an electric wire (EW) (5) stretches between two stations (2a,2b) separated by an ocean (3) each feeding the EW that contains repeaters (4) to boost/regenerate optical signals. A switch in a junction **box** (9c) isolates part of the EW stretching towards one (2a) of the stations from part of the EW stretching towards the other station (2b). Independent claims are also included for a junction **box** for joining together optical fibers for two **fiber optic** cable sections and an electric wire, for a **fiber optic** cable with an electric wire and two sections joined to other optical fibers and for a method for making the present invention safe.

Inventors

RAFFIN GERARD

Latest standardized assignees - inventors removed

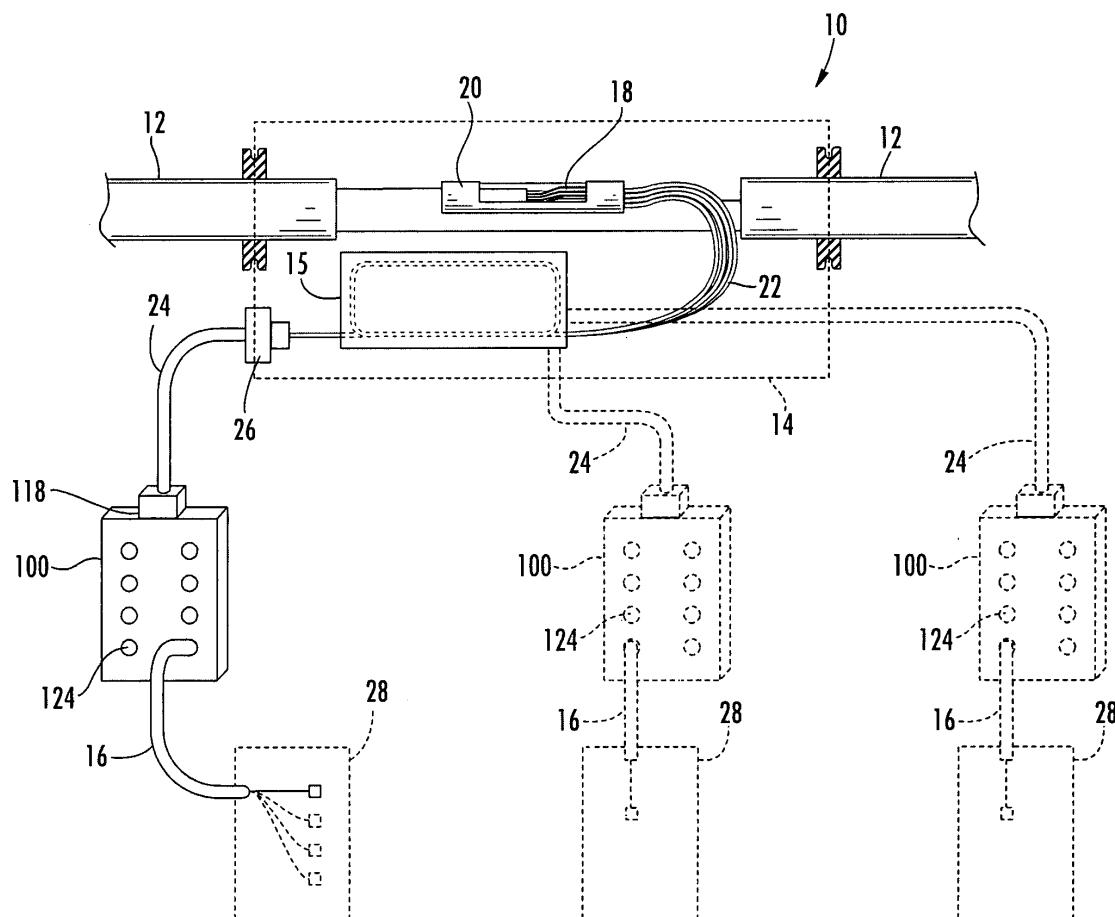
ALCATEL LUCENT

Family 67/100 - FAMPAT - ©Questel

Title

(US7120347)

Multi-port optical connection terminal

Images**Publication data including kind & date**

US7653282	B2	2010-01-26	US7653282
US20080069511	A1	2008-03-20	US20080069511
US7333708	B2	2008-02-19	US7333708
US20060280420	A1	2006-12-14	US20060280420
US7120347	B2	2006-10-10	US7120347
US20050163448	A1	2005-07-28	US20050163448

**Abstract**

(US20050163448)

A multi-port optical connection terminal for use as a branch point in a **fiber optic** communications network at a distance from a mid-span access location provided on a distribution cable having a plurality of optical fibers. The multi-port terminal includes a base and a cover affixed to the base. A stub cable port formed through one of the base and the cover receives a stub cable having at least one optical **fiber** extending continuously from the multi-port terminal to the mid-span access location. A first end of the optical **fiber** is optically connected to a respective optical **fiber** of the distribution cable at the mid-span access location and a **fiber optic** connector is mounted upon the second end. At least one connector port is provided on the multi-port terminal for receiving the **fiber optic** connector and a connectorized end of a **fiber optic** drop cable extending from the multi-port terminal.

Inventors

BLACKWELL JR CHOIS A

MENKE BRETT A

REAGAN JASON B

STRAUSE KEVIN L

SMITH KELLY J

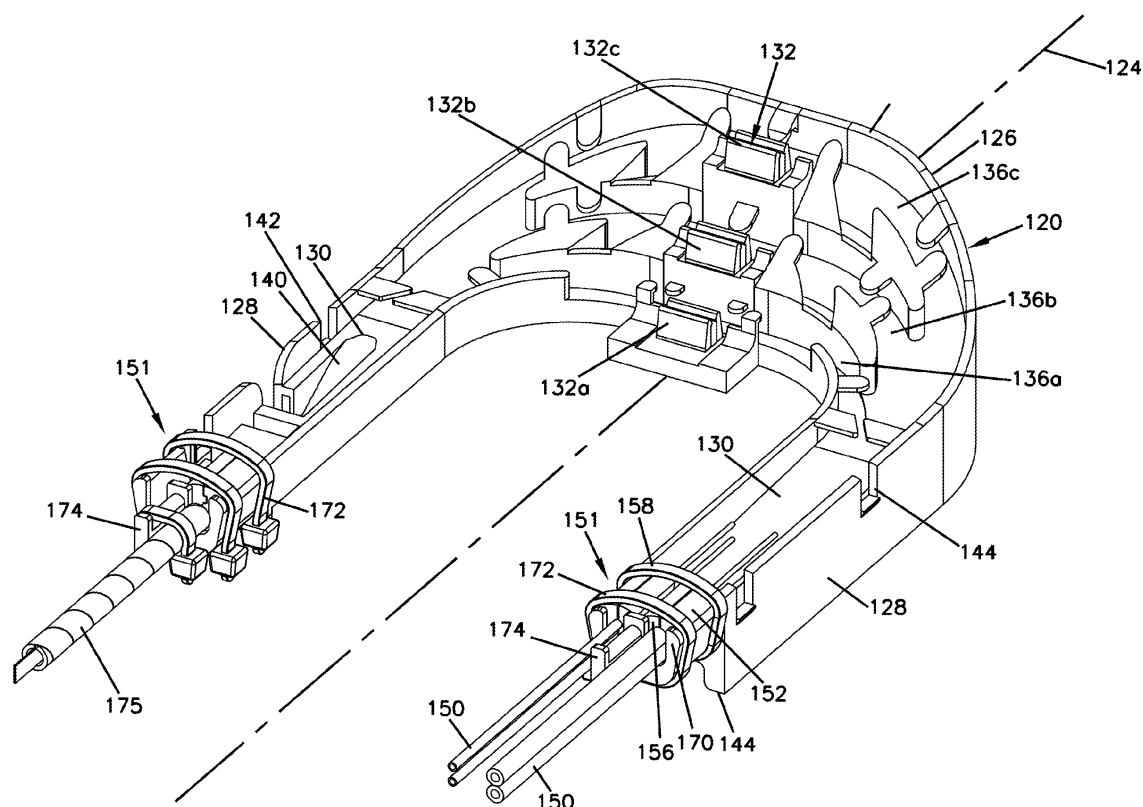
Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

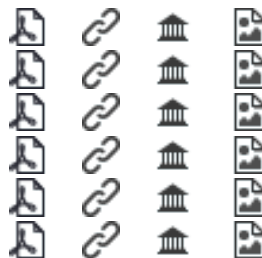
Family 68/100 - FAMPAT - ©Questel

Title

(EP3311210)

Optical termination **enclosure****Images****Publication data including kind & date**

US20190204523	A1	2019-07-04	US20190204523
EP3311210	A4	2019-02-27	EP3311210
US10209473	B2	2019-02-19	US10209473
US20180157002	A1	2018-06-07	US20180157002
EP3311210	A1	2018-04-25	EP3311210
WO2016/205340	A1	2016-12-22	WO2016205340

**Abstract**

(EP3311210)

The present disclosure relates to an optical termination **enclosure** having an **enclosure** housing containing a **fiber** management assembly. The **enclosure** housing can define sealed cable ports and can include cable anchor mounting locations in alignment with the cable ports. Cable anchoring and grounding units can be attached at the cable anchor mounting locations. The **fiber** management assembly can include a **fiber** break-out arrangement including a resilient grommet used to anchor a protective tube that carries optical fibers from the cable anchor mounting location to the **fiber** management assembly.

Inventors

BISHOP ERIK DAVID

POWELL JAMES ALBERT

Latest standardized assignees - inventors removed

COMMSCOPE

COMMSCOPE TECHNOLOGIES

ARRIS

RUCKUS WIRELESS

Family 69/100 - FAMPAT - ©Questel

Title

(EP3451037)

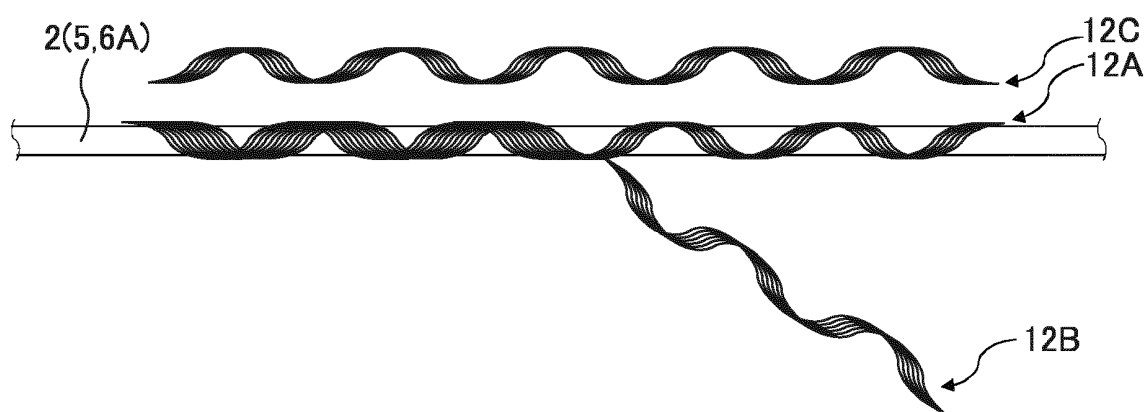
Method for gripping optical **fiber** cable, and optical **fiber** cable gripping tool**Images**

FIG. 5B

Publication data including kind & date

EP3451037	A1	2019-03-06	EP3451037
CN109154707	A	2019-01-04	CN109154707
TWI641886	B	2018-11-21	TWI641886
TW201800792	A	2018-01-01	TW201800792
JP2017227791	A	2017-12-28	JP2017227791
WO2017/221454	A1	2017-12-28	WO2017221454

**Abstract**

(EP3451037)

In anchoring a supporting wire made of a material other than metal, a so-called nonmetallic material, to a utility pole or the like, there is a possibility of breakage of the supporting wire when an outer sheath covering the supporting wire is stripped off to grip the supporting wire or is wound around and locked to a metal anchor. The present invention is a method for gripping an optical **fiber** cable by using a gripping member, the optical **fiber** cable including a main body part including an optical **fiber** and a supporting wire part. The supporting wire part includes a supporting wire made of a material other than metal and an outer sheath covering the supporting wire. The gripping member grips the supporting wire by tightening the gripping member around the supporting wire part while the supporting wire remains covered with the outer sheath.

Inventors

ITO NAOTO

OSATO KEN

Latest standardized assignees - inventors removed

FUJIKURA

Family 70/100 - FAMPAT - ©Questel

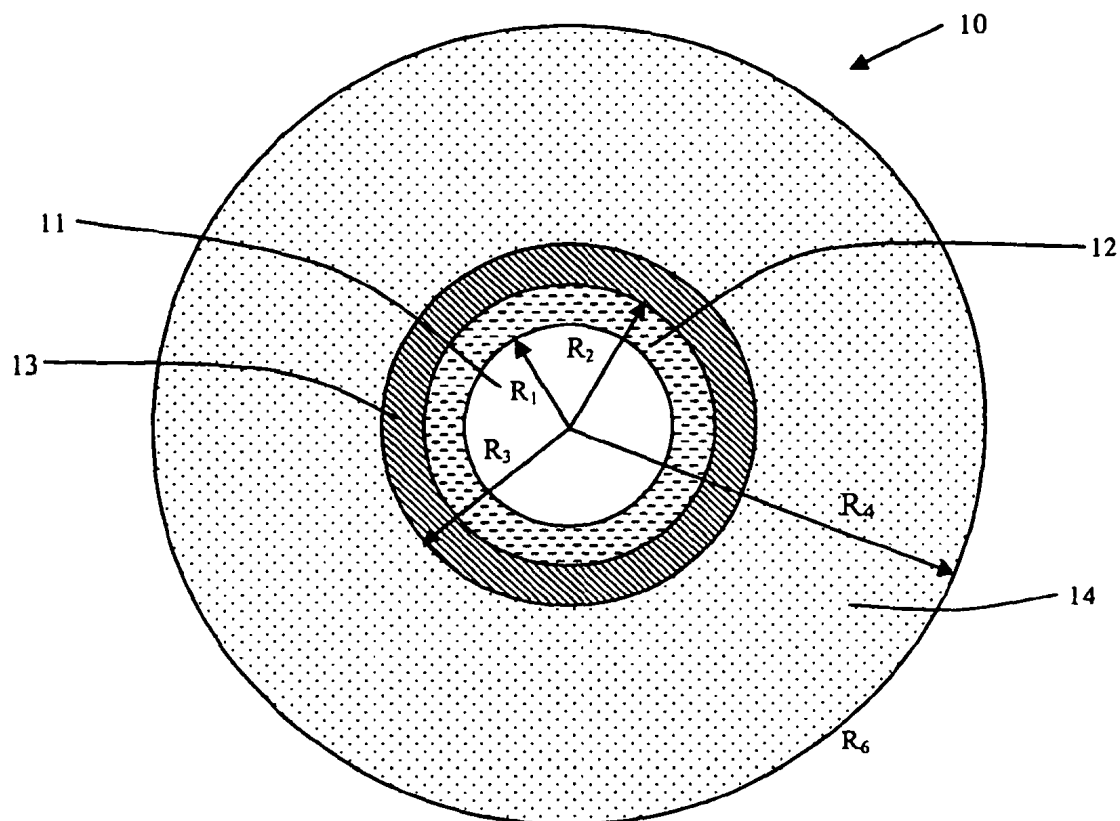
Title

(EP2116878)

Bend-insensitive single-mode optical fiber

Images

FIG. 1



10 – fiber

11 – central core

12 – intermediate cladding

13 – depressed cladding

14 – external optical cladding (refractive index n_6)

Publication data including kind & date

KR101605897	B1	2016-03-23	KR101605897
RU2489740	C2	2013-08-10	RU2489740
CN101576631	B	2012-10-10	CN101576631B
DK2116878	T3	2012-03-05	DK2116878T
AT538402	T	2012-01-15	ATE538402
EP2116878	B1	2011-12-21	EP2116878
RU2009117160	A	2010-11-20	RU2009117160



BRPI0903858	A2	2010-07-20	BR200903858				
CN101576631	A	2009-11-11	CN101576631				
EP2116878	A1	2009-11-11	EP2116878				
KR20090116651	A	2009-11-11	KR20090116651				

Abstract

(EP2116878)

A single mode optical **fiber** includes, from the center towards the periphery, a central core, an intermediate cladding, a depressed trench, and an external optical cladding. The central core has a radius r_1 and a positive index difference n_1 with the optical cladding; the intermediate cladding has a radius r_2 and a positive index difference n_2 with the optical cladding, wherein n_2 is less than the index difference n_1 of the core. The depressed trench has a radius r_3 and a negative index difference n_3 with the optical cladding. The optical **fiber** has a mode field diameter (MFD) between $8.6\ \mu\text{m}$ and $9.5\ \mu\text{m}$ at a wavelength of 1310 nanometers, and for a wavelength of 1550 nanometers, the **fiber** has bending losses less than 0.25×10^{-3} dB/turn for a radius of curvature of 15 millimeters. The length of **fiber** required for the attenuation of the LP11 mode to reach 19.3 dB at a wavelength of 1260 nanometers is less than 90 meters. Such a **fiber** can be used in a difficult environment such as miniaturized optical boxes.

Inventors

DE MONTMORILLON LOUIS-ANNE

RICHARD SIMON

MOLIN DENIS

BOIVIN DAVID

BIGOT-ASTRUC MARIANNE

SILLARD PIERRE

Latest standardized assignees - inventors removed

DRAKA COMTEQ

Family 71/100 - FAMPAT - ©Questel

Title

(WO201542242)

Fiber cable and drop wire organizer

Images

and second channel members with an inwardly facing opening. The channel members support and retain a cable or **fiber optic** component, for example a **fiber optic** cable or drop wire. The supports may be used in an **enclosure** or suspended from an **aerial** transmission line.

Inventors

GILBREATH KYLE

FORRESTER JOSEPH

WILSON JOSHUA

Latest standardized assignees - inventors removed

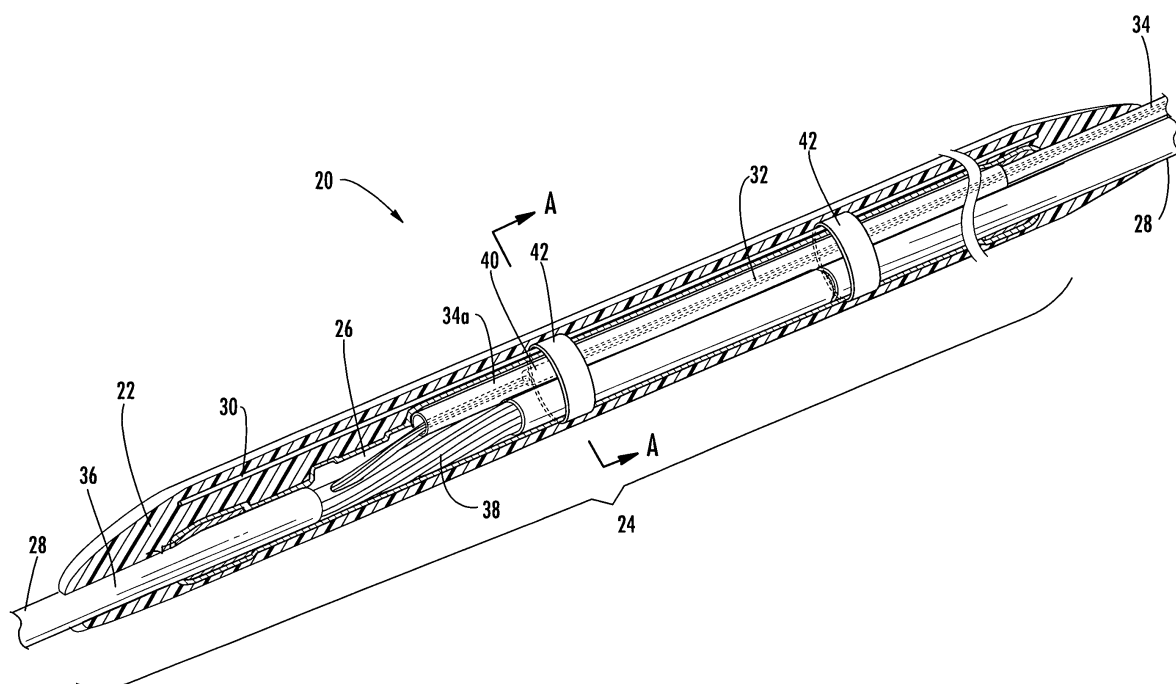
HUBBELL

Family 72/100 - FAMPAT - ©Questel

Title

(WO200756319)

Flexible optical closure and other flexible optical assemblies

Images**Publication data including kind & date**

US7729583	B2	2010-06-01	US7729583
US20080063351	A1	2008-03-13	US20080063351
US7330621	B2	2008-02-12	US7330621
WO2007/056319	A3	2007-12-06	WO200756319
JP2007133416	A	2007-05-31	JP2007133416
WO2007/056319	A2	2007-05-18	WO200756319
US20060056782	A1	2006-03-16	US20060056782

**Abstract**

(WO2007/056319)

Flexible closures and other flexible optical assemblies that are installed within a factory, or in the field, and then deployed using cable installation methods, wherein the flexible closures and assemblies have the ability to bend and twist without incurring physical damage to their structure, optical fibers and splices disposed within, and without significant attenuation in the optical fibers when exposed to conventional installation stresses. Flexible closures that replace conventional substantially rigid closures in order to facilitate pre-engineered and assembled distribution cable installation within an optical network, and the physical, bending and material properties of such closures, and methods of manufacturing and installing the same.

Inventors

ELKINS ROBERT B II

LUTHER JAMES P

NIELSEN LARS K

THEUERKORN THOMAS

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

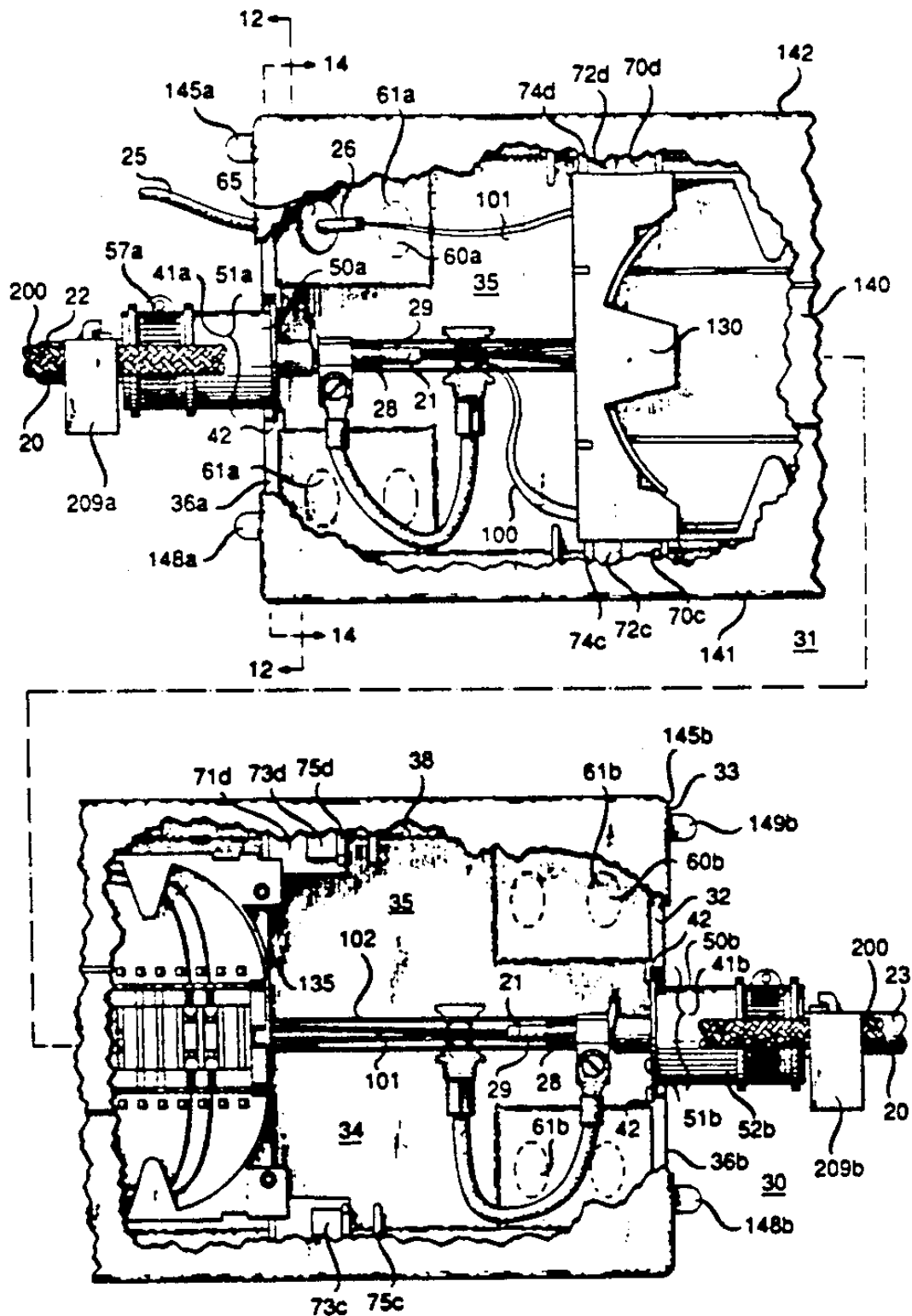
Family 73/100 - FAMPAT - ©Questel

Title

(US5133039)

Aerial fiber optic cable case

Images



Publication data including kind & date

US5133039

A 1992-07-21 US5133039



Abstract

(US5133039)

An **aerial fiber optic** cable case comprises an elongated boxlike housing, openings at the ends of the housing for insertion therein from the side of an unbroken **aerial fiber optic** distribution cable and further insertion therein of the ends of one or more **aerial fiber optic** drop cables; seals for the passage of such cables through such openings, a tray reversibly mounted with the housing for supporting optical splices between one or more distribution cable fibers and one or more drop cable fibers, and a support frame including two hangers for fastening such case to hang from an **aerial** support strand. The container formed of the housing and lid is pivotably mounted relative to the hangers to be angularly movable relative

thereto between forward and rear limit positions of angular tilt. The lid is slidable forward and back on the housing and is contained to such sliding motion until the lid reaches a rear position at which it can be pivoted to angularly move relative to the housing and to fold down to hang down from the housing in juxtaposition with its back side.

Inventors

DIXIT MAYANKKUMAR M

Latest standardized assignees - inventors removed

FITEL

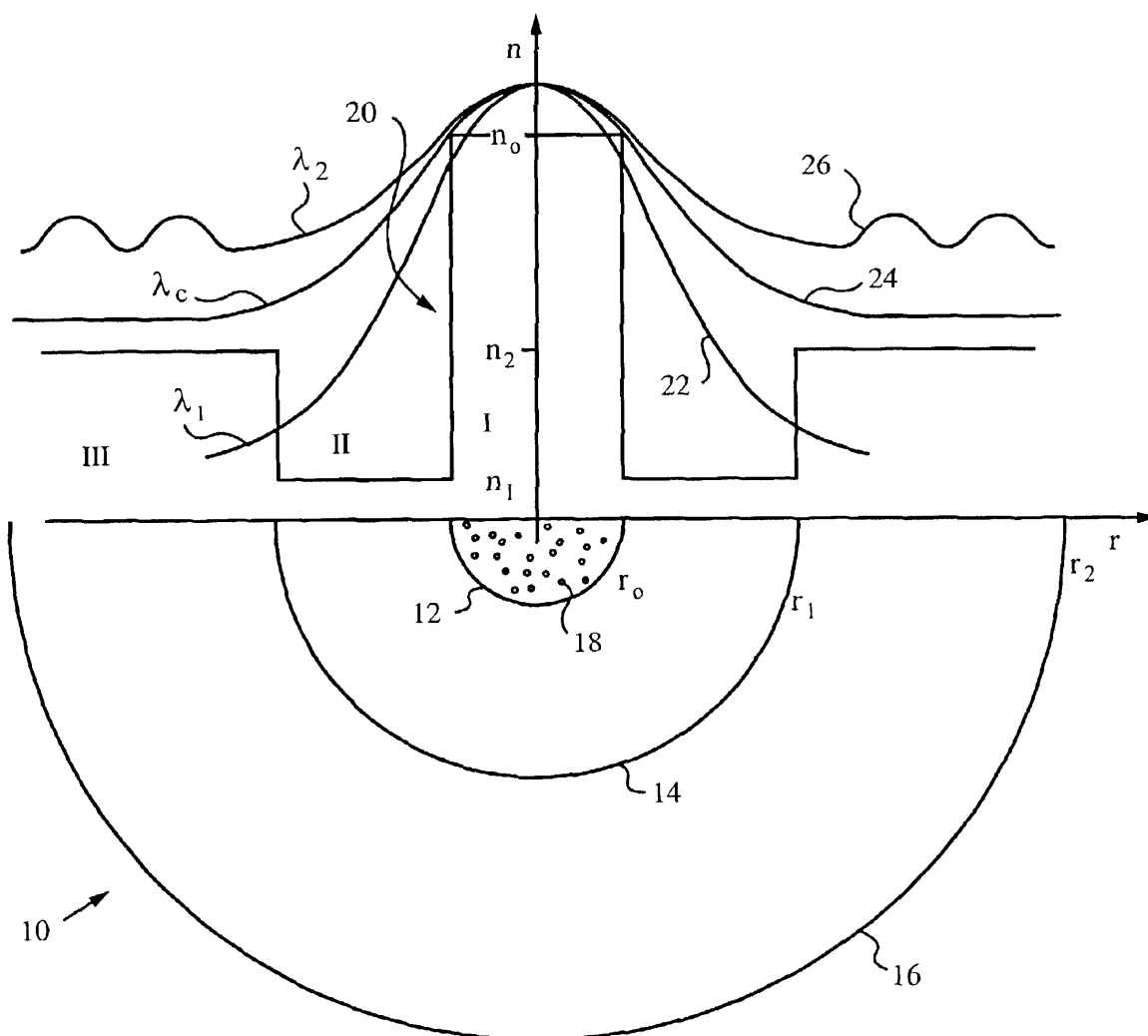
Family 74/100 - FAMPAT - ©Questel

Title

(EP1488482)

Amplifiers and light sources employing s-band erbium-doped **fiber** and I-band thulium-doped **fiber** with distributed suppression of amplified spontaneous emission (ase)

Images



Publication data including kind & date

US7054061	B2	2006-05-30	US7054061
CN1729598	A	2006-02-01	CN1729598
EP1488482	A4	2005-11-23	EP1488482
JP2005520326	A	2005-07-07	JP2005520326
US6909538	B2	2005-06-21	US6909538
US6903865	B2	2005-06-07	US6903865
US6876490	B2	2005-04-05	US6876490
US6844962	B2	2005-01-18	US6844962



EP1488482	A2	2004-12-22	EP1488482				
WO03/077381	A3	2004-08-19	WO200377381				
US20030234977	A1	2003-12-25	US20030234977				
AU2003217981	A1	2003-09-22	AU2003217981				
AU2003217981	A8	2003-09-22	AU2003217981				
CA2478314	A1	2003-09-18	CA2478314				
WO03/077381	A2	2003-09-18	WO200377381				
US20030169483	A1	2003-09-11	US20030169483				
US20030169484	A1	2003-09-11	US20030169484				
US20030169486	A1	2003-09-11	US20030169486				
US20030169488	A1	2003-09-11	US20030169488				

Abstract

(EP1488482)

The present invention provides an Erbium-Doped **Fiber** Amplifier (EDFA) and a source that employs the EDFA for generating light in an S-band of wavelengths. A **fiber** amplifier (10) in a depressed cladding or W-profile **fiber** has a core (12) doped with the active material (18) and defined by a core cross-section and a refractive index n_0 . A depressed cladding (14) of index n_1 surrounds the core (12) and a secondary cladding (16) of index n_2 surrounding the depressed cladding (14). The **fiber** amplifier is pumped a level of high relative inversion D , such that the active material exhibits positive gains in a short wavelength band and high gains in a long wavelength band. In one embodiment, the core cross-section, the depressed cladding cross-section and the refractive indices n_0 , n_1 , and n_2 are selected to provide distributed ASE suppression at wavelengths longer than cutoff wavelength λ_{cutoff} over the length of **fiber** amplifier (10). In another embodiment, such selection provides a roll-off loss curve about a cutoff wavelength λ_{cutoff} . The roll-off loss curve yields losses at least comparable to the high gains in the long wavelength band and losses substantially smaller than the positive gains in the short wavelength band. To obtain the desired roll-off loss curve the refractive index n_0 in the core is selected such that an effective index n_{eff} experienced by the confined mode maximizes a roll-off slope of the roll-off loss curve before the cutoff wavelength.

Inventors

ARBORE MARK A

KEATON GREGORY L

KANE THOMAS J

ZHOU YIDONG

KMETEC JEFFREY D

Latest standardized assignees - inventors removed

LUMENTUM OPERATIONS

OCLARO **FIBER** OPTICS

OCLARO

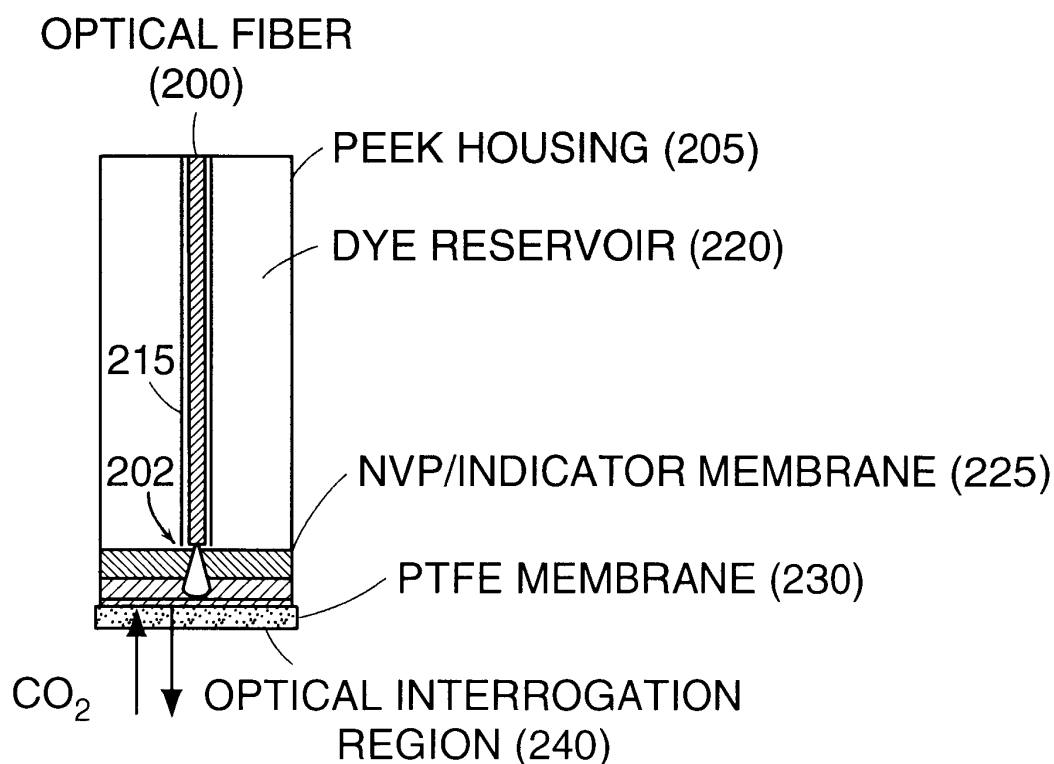
Family 75/100 - FAMPAT - ©Questel

Title

(EP1131621)

Fiber optic sensor for long-term analyte measurements in fluids

Images



Publication data including kind & date

JP2003529742	A	2003-10-07	JP2003529742
EP1131621	A1	2001-09-12	EP1131621
US6285807	B1	2001-09-04	US6285807
CA2350826	A1	2000-05-25	CA2350826
WO00/29832	A1	2000-05-25	WO200029832



Abstract

(EP1131621)

A **fiber optic** sensor is disclosed in which an analyte permeable membrane encloses an interrogation region at the distal **fiber** end. A reservoir member is provided for continuous replenishment of the interrogation region with dye over the lifetime of the sensor. The reservoir member may comprise a permeable polymer material. The sensor may be configured as a specific ion sensor for analyzing dissolved analytes such as gases, cations, and anions. One embodiment comprises a CO₂ sensor which has a reversible working dynamic detection range between 200 and 1000 ppm pCO₂ and a sensitivity +/- 1 ppm. Methods for remote sensing are also disclosed using electro-**optic** and data acquisition modules coupled to a conventional satellite transmission system.

Inventors

WALT DAVID R

TOBACCO MARY BETH

UTTAMLAL MAHESH

Latest standardized assignees - inventors removed

UNIVERSITY TUFTS MEDICAL

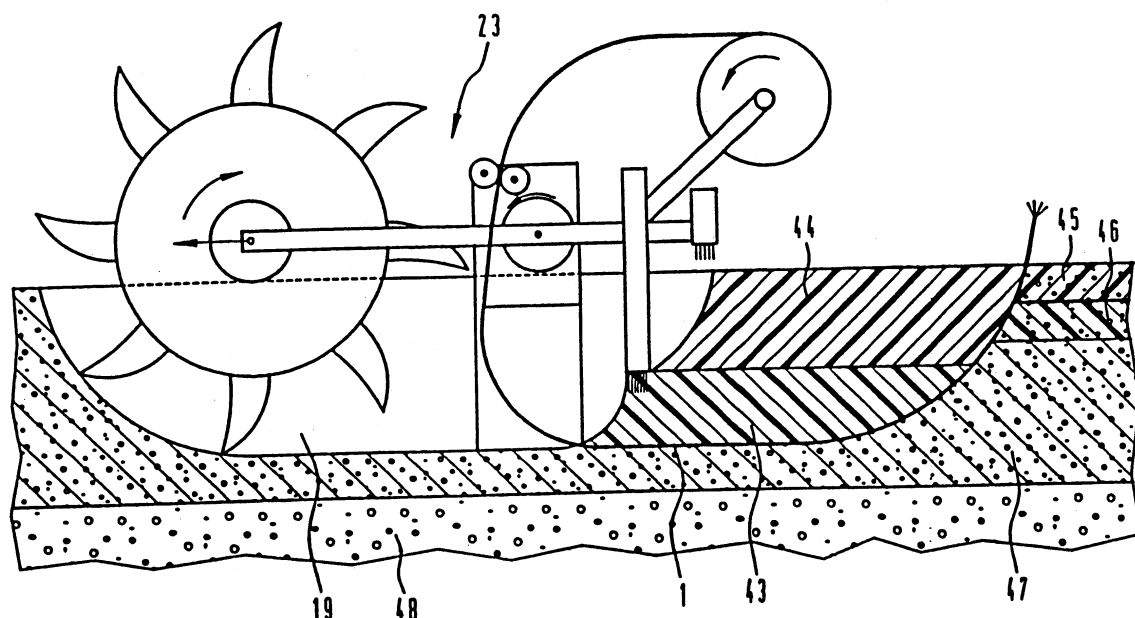
Family 76/100 - FAMPAT - ©Questel

Title

(EP1619767)

Installation with optical waveguides cable

Images



Publication data including kind & date

CA2598693	C	2012-01-03	CA2598693
CA2485270	C	2008-07-08	CA2485270
CN100342605	C	2007-10-10	CN100342605C
JP3980059	B2	2007-07-06	JP3980059
ES2251436	T3	2006-05-01	ES2251436
EP1619767	A1	2006-01-25	EP1619767
DE59611289	D1	2005-12-01	DE59611289
AT308137	T	2005-11-15	ATE308137
EP1211772	B1	2005-10-26	EP1211772
US20050105874	A1	2005-05-19	US20050105874
CA2237324	C	2005-03-29	CA2237324
US6866448	B2	2005-03-15	US6866448
ES2179963	T3	2003-02-01	ES2179963
PT861455	E	2002-11-29	PT-861455
DE59609416	D1	2002-08-08	DE59609416
AT220214	T	2002-07-15	ATE220214
EP0861455	B1	2002-07-03	EP-861455
EP1211772	A1	2002-06-05	EP1211772
US20020061231	A1	2002-05-23	US20020061231
US6371691	B1	2002-04-16	US6371691
JP2001524218	A	2001-11-27	JP2001524218
BR9611720	A	1999-09-14	BR9611720
BRPI9611720	A1	1999-09-14	BR199611720
AU704965	B2	1999-05-13	AU-704965
CN1202280	A	1998-12-16	CN1202280
AR004288	A1	1998-11-04	AR---4288
MX9803784	A	1998-09-30	MX9803784
EP0861455	A2	1998-09-02	EP-861455
WO97/20236	A3	1997-08-21	WO9720236
AU1866997	A	1997-06-19	AU9718669
CA2237324	A1	1997-06-05	CA2237324
CA2485270	A1	1997-06-05	CA2485270



[CA2598693](#)

A1 1997-06-05 CA2598693

[WO97/20236](#)

A2 1997-06-05 WO9720236

**Abstract**

(EP1619767)

In a novel method, a machine lays an optical cable in solid ground. The cable is original, an optical micro- or mini-cable (1). This comprises a uniform tube (8), proof against water under pressure, with an outer diameter of 2.0-10 mm, preferably 3.5-5.5 mm, into which the optical waveguide or fibre (3) is introduced. Also claimed are: a laying unit to make the laying groove for the micro-or mini cable, which includes a cutter assembly as described; and the following method of repairing a microcable. Aided by a device (GF) which releases the microcable (MK), sufficient backfilling (FM) is removed from the groove (VN) to insert a repair kit of appropriate length.

Inventors

ZEIDLER GUENTER

FINZEL LOTHAR

KOSSAT RAINER

KUNZE DIETER

Latest standardized assignees - inventors removed

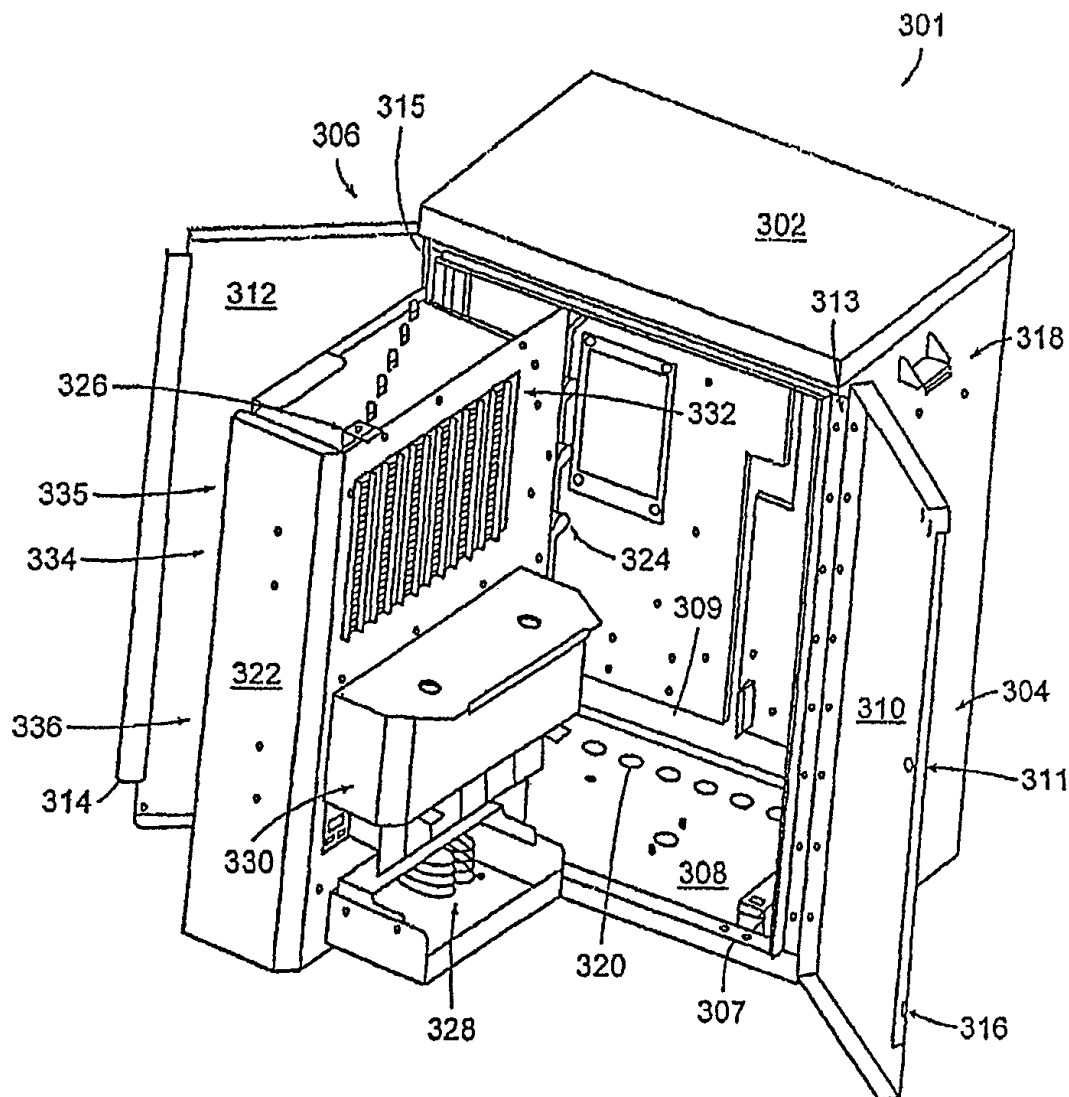
CCS TECHNOLOGY

Family 77/100 - FAMPAT - ©Questel

Title

(EP1875285)

Parking adapter for fibre **optic** connectors in fibre distribution hubs**Images**



Publication data including kind & date

US10393980	B2	2019-08-27	US10393980
US20180011271	A1	2018-01-11	US20180011271
US9739970	B2	2017-08-22	US9739970
US20160216467	A1	2016-07-28	US20160216467
US9335505	B2	2016-05-10	US9335505
US20150338600	A1	2015-11-26	US20150338600
US9146372	B2	2015-09-29	US9146372
US9146373	B2	2015-09-29	US9146373
US20150093091	A1	2015-04-02	US20150093091
US20140050451	A1	2014-02-20	US20140050451
US8374476	B2	2013-02-12	US8374476
US8285103	B2	2012-10-09	US8285103
US20110019966	A1	2011-01-27	US20110019966
US7873255	B2	2011-01-18	US7873255
US7844161	B2	2010-11-30	US7844161
US7809232	B2	2010-10-05	US7809232
US7809235	B2	2010-10-05	US7809235
US20100124392	A1	2010-05-20	US20100124392
US20090297111	A1	2009-12-03	US20090297111
US20090290843	A1	2009-11-26	US20090290843



US20090285540	A1	2009-11-19	US20090285540				
US7471869	B2	2008-12-30	US7471869				
JP2008538424	A	2008-10-23	JP2008538424				
US7400816	B2	2008-07-15	US7400816				
US7369741	B2	2008-05-06	US7369741				
CN101163998	A	2008-04-16	CN101163998				
IN3544/KOLNP/2007	A	2008-01-18	IN2007KN03544				
US20080013910	A1	2008-01-17	US20080013910				
KR20080005432	A	2008-01-11	KR20080005432				
US20080008436	A1	2008-01-10	US20080008436				
US20080008437	A1	2008-01-10	US20080008437				
EP1875285	A2	2008-01-09	EP1875285				
MX2007012994	A	2007-12-13	MX2007012994				
WO2006/113817	A3	2007-01-25	WO2006113817				
AU2006236319	A1	2006-10-26	AU2006236319				
CA2606770	A1	2006-10-26	CA2606770				
WO2006/113817	A2	2006-10-26	WO2006113817				
US20060008231	A1	2006-01-12	US20060008231				

Abstract

(EP1875285)

A parking adapter is provided that may include a plurality of receptacles configured to receive a like plurality of connectors, where each connector is associated with an optical **fiber**. The parking adapter may include a dust cap post configured to receive a connector dust cap and a mounting device configured to removeably couple the parking adapter to a panel.

Inventors

REAGAN RANDY

GNIADEK JEFFREY

PARSONS THOMAS

NOONAN MICHAEL

Latest standardized assignees - inventors removed

COMMSCOPE

COMMSCOPE TECHNOLOGIES

ARRIS

RUCKUS WIRELESS

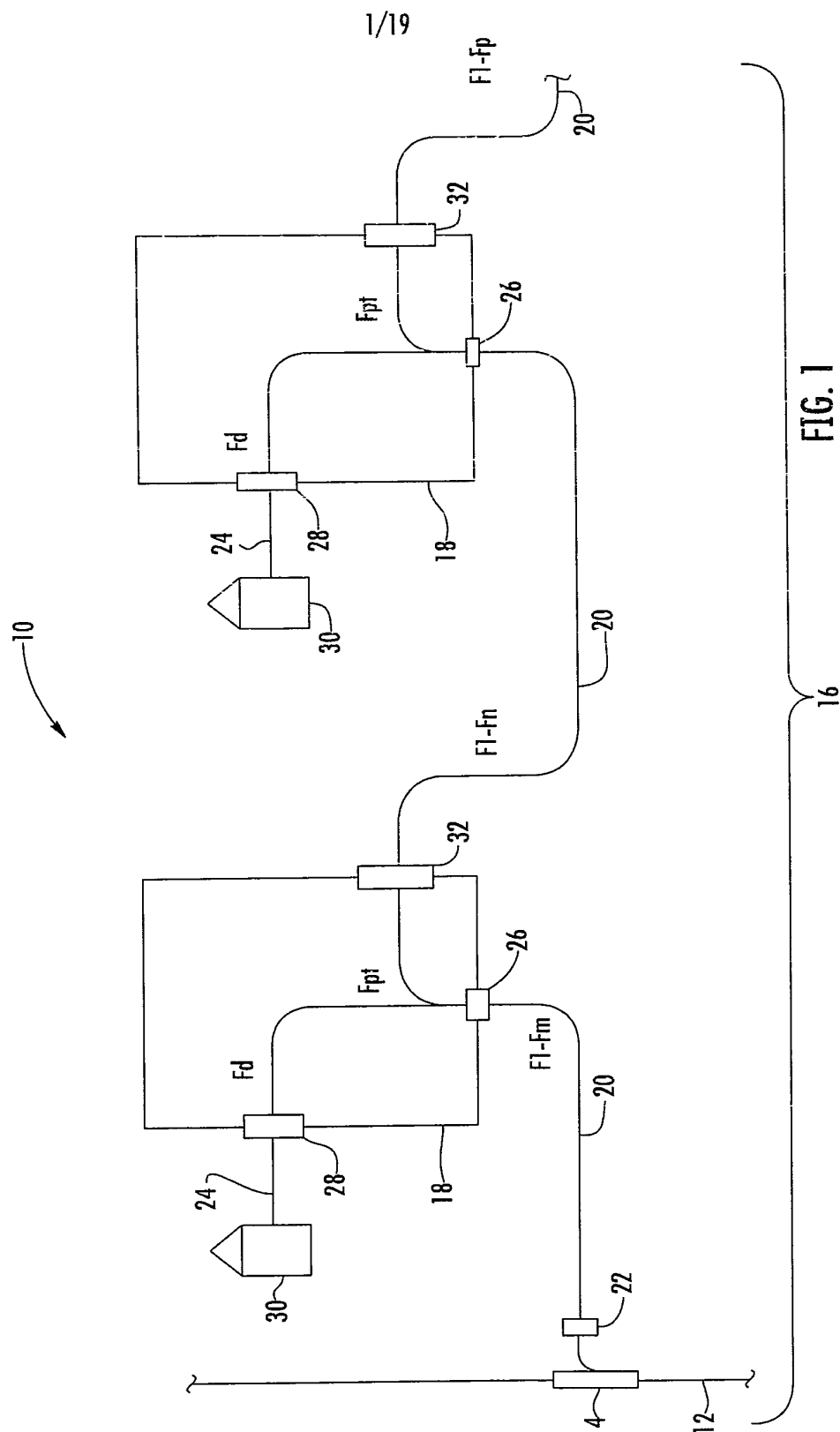
Family 78/100 - FAMPAT - ©Questel

Title

(AU2015268676)

Fiber optic network architecture having optical connection terminals in series arrangement**Images**

2015268676 11 Dec 20



Publication data including kind & date

AU2015268676	B9	2017-09-28	AU2015268676
AU2015268676	B2	2017-08-31	AU2015268676
AU2015268676	A1	2016-01-07	AU2015268676



Abstract

(AU2015268676)

H:\der\Intenoveni\NRPortb\IDCC\DER\9074076_1.docx-l 1/12/2015 A fiber optic network, comprising: a first segment of a branch cable having a plurality of optical fibers optically coupled to a distribution cable; and a first optical connection terminal receiving the plurality of optical fibers of the first segment of the branch cable, wherein the first optical connection

terminal comprises a first plurality of ports, and wherein the first optical connection terminal is configured such that predetermined ones of the first plurality of ports comprise one or more of a first drop port optically coupling a first respective predetermined one of the plurality of optical fibers to a first drop cable according to a first predetermined port mapping scheme, and a first pass through port optically coupling a second respective predetermined one of the plurality of optical fibers to a second segment of the branch cable external to the first optical connection terminal; and a second optical connection terminal receiving the second segment of the branch cable, wherein the second optical connection terminal comprises a second plurality of ports, and is configured such that a predetermined one of the second plurality of ports comprises a second drop port optically coupling the second respective predetermined one of the plurality of optical fibers to a second drop cable according to a second predetermined port mapping scheme different than the first predetermined port mapping scheme.

Inventors

CONNER MARK E

Latest standardized assignees - inventors removed

CORNING CABLE SYSTEMS

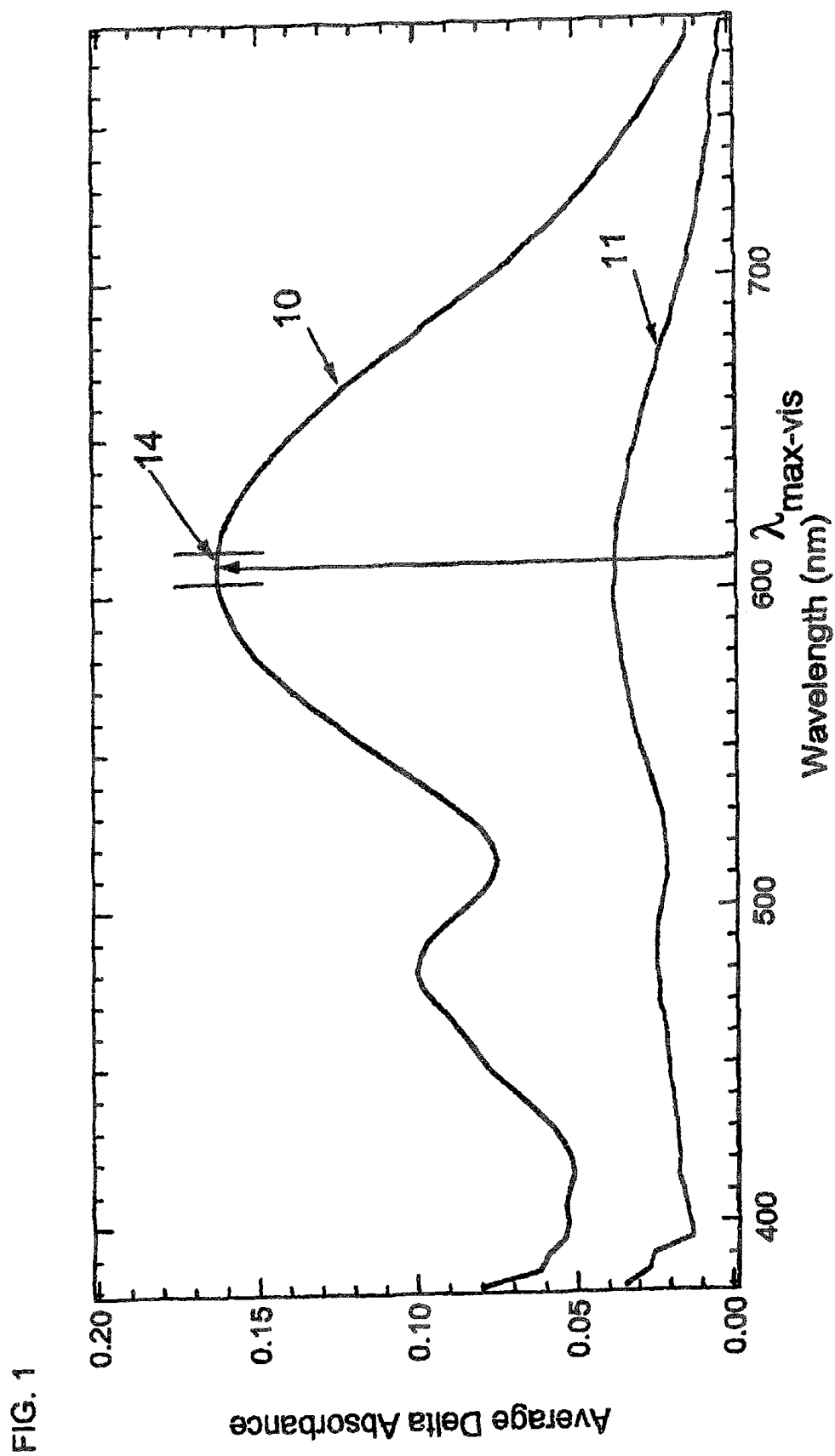
Family 79/100 - FAMPAT - ©Questel

Title

(EP1639058)

Photochromic compounds

Images



Publication data including kind & date

BRPI0412283

A2 2019-06-04

BRPI0412283

EP2370420

B1 2019-05-22

EP2370420



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CA2744496	A1	2010-06-10	CA2744496				
CA2745764	A1	2010-06-10	CA2745764				
CA2914548	A1	2010-06-10	CA2914548				

CA2914571	A1	2010-06-10	CA2914571				
WO2010/065393	A1	2010-06-10	WO201065393				
WO2010/065406	A1	2010-06-10	WO201065406				
JP2010095528	A	2010-04-30	JP2010095528				
AU2007202259	B2	2010-02-11	AU2007202259				
HK1109218	A1	2009-12-18	HK1109218				
US20090309076	A1	2009-12-17	US20090309076				
US7632540	B2	2009-12-15	US7632540				
JP2009217289	A	2009-09-24	JP2009217289				
US7582749	B2	2009-09-01	US7582749				
US7579022	B2	2009-08-25	US7579022				
US7560124	B2	2009-07-14	US7560124				
US7557206	B2	2009-07-07	US7557206				
US20090146104	A1	2009-06-11	US20090146104				
HK1092540	A1	2009-06-05	HK1092540				
US20090135462	A1	2009-05-28	US20090135462				
HK1093778	A1	2009-05-15	HK1093778				
CN100478716	C	2009-04-15	CN100478716C				
KR100890662	B1	2009-03-26	KR100890662				
KR100886033	B1	2009-02-26	KR100886033				
AU2009200311	A1	2009-02-19	AU2009200311				
MX2007000984	A	2009-02-05	MX2007000984				
US7478700	B2	2009-01-20	US7478700				
KR100875002	B1	2008-12-19	KR100875002				
CN101276015	A	2008-10-01	CN101276015				
CN100416314	C	2008-09-03	CN100416314C				
CN100397112	C	2008-06-25	CN100397112C				
KR100839257	B1	2008-06-17	KR100839257				
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KR100830753	B1	2008-05-20	KR100830753				
US20080096048	A1	2008-04-24	US20080096048				
US20080096049	A1	2008-04-24	US20080096049				
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KR100814163	B1	2008-03-14	KR100814163				
US7342112	B2	2008-03-11	US7342112				
US20080051575	A1	2008-02-28	US20080051575				
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KR20070100378	A	2007-10-10	KR20070100378				
JP2007526223	A	2007-09-13	JP2007526223				
CN101033393	A	2007-09-12	CN101033393				
US7256921	B2	2007-08-14	US7256921				
AU2007200151	A1	2007-08-09	AU2007200151				
CN101013175	A	2007-08-08	CN101013175				

JP2007521507	A	2007-08-02	JP2007521507				
US20070169981	A1	2007-07-26	US20070169981				
CA2573667	A1	2007-07-24	CA2573667				
JP2007519013	A	2007-07-12	JP2007519013				
AU2007202259	A1	2007-06-07	AU2007202259				
AU2004256412	B2	2007-05-10	AU2004256412				
KR20070047349	A	2007-05-04	KR20070047349				
KR20070047350	A	2007-05-04	KR20070047350				
KR20070044494	A	2007-04-27	KR20070044494				
ZA200600143	B	2007-04-25	ZA200600143				
ZA200600144	B	2007-04-25	ZA200600144				
KR20070036178	A	2007-04-02	KR20070036178				
ZA200600146	B	2007-03-28	ZA200600146				
US20070041073	A1	2007-02-22	US20070041073				
CN1842580	A	2006-10-04	CN1842580				
CN1842730	A	2006-10-04	CN1842730				
BRPI0412278	A	2006-10-03	BR200412278				
BRPI0412278	A1	2006-10-03	BRPI0412278				
CN1839329	A	2006-09-27	CN1839329				
BRPI0412283	A	2006-09-19	BR200412283				
BRPI0412283	A1	2006-09-19	BRPI0412283				
BRPI0412235	A	2006-08-22	BR200412235				
BRPI0412235	A1	2006-08-22	BRPI0412235				
MXPA06000167	A	2006-04-27	MX2006PA000167				
MXPA06000168	A	2006-04-27	MX2006PA000168				
MXPA06000173	A	2006-04-27	MX2006PA000173				
EP1644762	A2	2006-04-12	EP1644762				
EP1642160	A1	2006-04-05	EP1642160				
EP1639058	A1	2006-03-29	EP1639058				
KR20060026122	A	2006-03-22	KR20060026122				
KR20060026123	A	2006-03-22	KR20060026123				
KR20060025605	A	2006-03-21	KR20060025605				
WO2005/006034	A3	2005-05-06	WO200506034				
AU2004256030	A1	2005-01-20	AU2004256030				
AU2004256411	A1	2005-01-20	AU2004256411				
AU2004256412	A1	2005-01-20	AU2004256412				
CA2530858	A1	2005-01-20	CA2530858				
CA2531088	A1	2005-01-20	CA2531088				
CA2531390	A1	2005-01-20	CA2531390				
CA2678715	A1	2005-01-20	CA2678715				
CA2707699	A1	2005-01-20	CA2707699				
CA2707730	A1	2005-01-20	CA2707730				
US20050012998	A1	2005-01-20	US20050012998				
WO2005/005570	A1	2005-01-20	WO200505570				
WO2005/006034	A2	2005-01-20	WO200506034				
WO2005/006035	A1	2005-01-20	WO200506035				
US20050003107	A1	2005-01-06	US20050003107				
US20050004361	A1	2005-01-06	US20050004361				

Abstract

(EP1639058)

Various non-limiting embodiments disclosed herein relate generally to photochromic compounds, which may be thermally reversible or non-thermally reversible, and articles made therefrom. Other non-limiting embodiments relate to photochromic-dichroic compounds, which may be thermally reversible or non-thermally reversible, and articles made therefrom. For example, one non-limiting embodiment provides a thermally reversible, photochromic compound adapted to have at least a first state and a second state, wherein the thermally reversible, photochromic compound has an average absorption ratio greater than 2.3 in at least one state as determined according to CELL METHOD. Another non-limiting embodiment provides a photochromic compound comprising: (a) at least one photochromic group chosen from a pyran, an oxazine, and a fulgide; and (b) at least one lengthening agent L attached to the at least one photochromic group and represented by the formula $-[S1]c-[Q1-[S2]d]d'-[Q2-[S3]e']e'-[Q3-[S4]f]f-S5-P$, which is described herein.

Inventors

KUMAR ANIL

HE MENG

KELLAR TERRY A II

BLACKBURN FORREST R

Latest standardized assignees - inventors removed

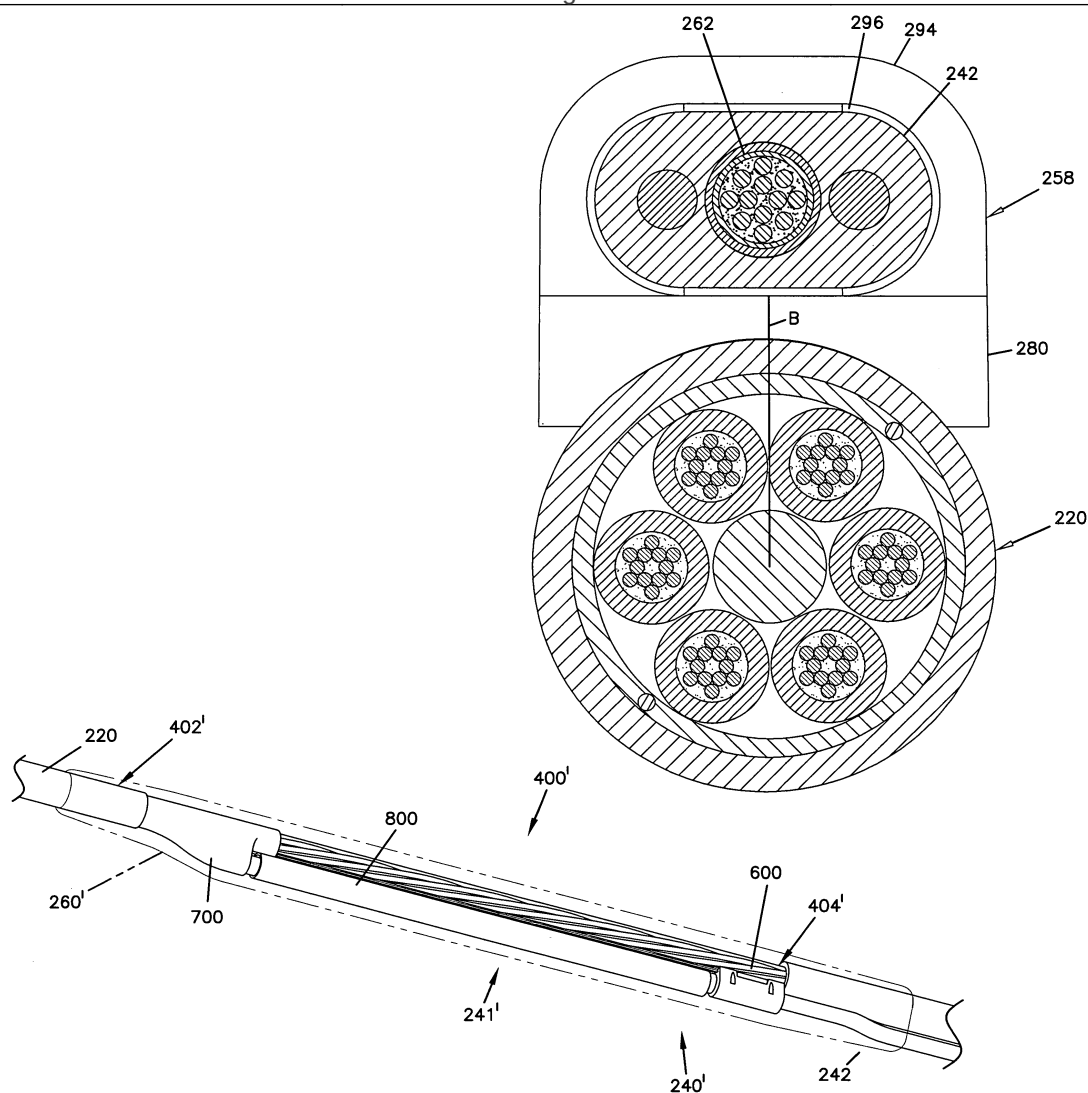
TRANSITIONS OPTICAL

Family 80/100 - FAMPAT - ©Questel

Title

(EP1999505)

Fiber optic cable breakout configuration with "y" block**Images**



Publication data including kind & date

AU2007223869	B2	2012-10-04	AU2007223869
US20100080514	A1	2010-04-01	US20100080514
US7630606	B2	2009-12-08	US7630606
JP2009529705	A	2009-08-20	JP2009529705
AR065153	A1	2009-05-20	AR--65153
IN4017/KOLNP/2008	A	2009-02-27	IN2008KN04017
US7489843	B2	2009-02-10	US7489843
US20090022459	A1	2009-01-22	US20090022459
EP1999505	A2	2008-12-10	EP1999505
KR20080106968	A	2008-12-09	KR20080106968
WO2008/097677	A3	2008-11-20	WO200897677
MX2008011527	A	2008-11-14	MX2008011527
US7422378	B2	2008-09-09	US7422378
WO2008/097677	A2	2008-08-14	WO200897677
US20080187274	A1	2008-08-07	US20080187274
US7403685	B2	2008-07-22	US7403685
US20080089652	A1	2008-04-17	US20080089652
US7317863	B2	2008-01-08	US7317863
WO2007/103434	A8	2007-12-13	WO2007103434
WO2007/103438	A3	2007-11-08	WO2007103438
WO2007/103434	A3	2007-11-01	WO2007103434
WO2007/103436	A3	2007-11-01	WO2007103436



US7289714	B1	2007-10-30	US7289714				
AU2007223869	A1	2007-09-13	AU2007223869				
CA2645247	A1	2007-09-13	CA2645247				
US20070212004	A1	2007-09-13	US20070212004				
US20070212009	A1	2007-09-13	US20070212009				
WO2007/103434	A2	2007-09-13	WO2007103434				
WO2007/103436	A2	2007-09-13	WO2007103436				
WO2007/103438	A2	2007-09-13	WO2007103438				
US7251411	B1	2007-07-31	US7251411				

Abstract

(EP1999505)

The present disclosure relates to a telecommunications cable including a distribution cable and a tether that branches from the distribution cable at a mid-span breakout location. A flexible closure covers the mid-span breakout location. Within the closure, fibers are broken out from the distribution cable and spliced to fibers of the tether. The lengths of broken out fibers within the flexible closure are provided with sufficient excess **fiber** length to allow the closure to be readily bent/flexed in any direction without damaging the fibers. The flexible closure comprises a retention block (600), a separation block (700) and a tube (800) extending from the separation block (700) to the retention block (600).

Inventors

LU YU

MILLEA KEITH

GNIADEK JEFFREY

Latest standardized assignees - inventors removed

COMMScope TECHNOLOGIES

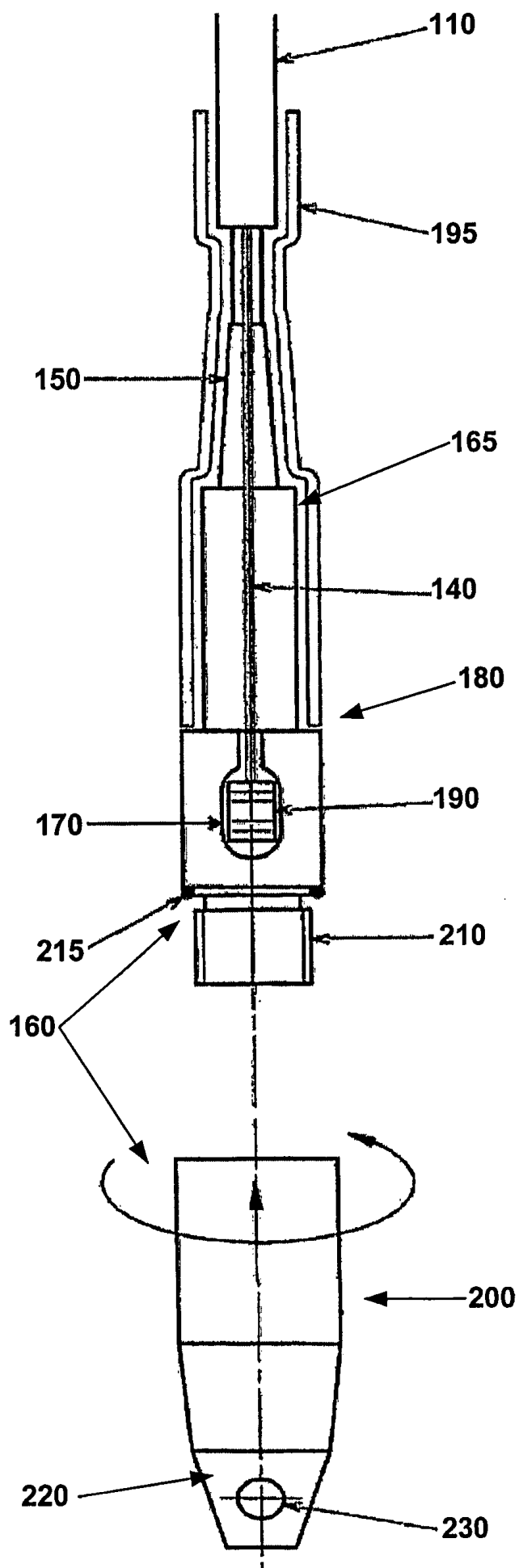
Family 81/100 - FAMPAT - ©Questel

Title

(EP1787369)

System and device for hauling fibre **optic** cable along a conduit**Images**

100



Publication data including kind & date

US8165444	B2	2012-04-24	US8165444				
ES2378075	T3	2012-04-04	ES2378075				
DK1787369	T3	2012-02-27	DK1787369T				
PT1787369	E	2012-02-17	PT1787369				
AT535976	T	2011-12-15	ATE535976				
US20110305424	A1	2011-12-15	US20110305424				
EP1787369	B1	2011-11-30	EP1787369				
MY143159	A	2011-03-31	MY-143159				
NZ553049	A	2010-09-30	NZ-553049				
AU2005276963	B2	2010-08-19	AU2005276963				
CN100550548	C	2009-10-14	CN100550548C				
EP1787369	A4	2007-09-12	EP1787369				
CN101010843	A	2007-08-01	CN101010843				
EP1787369	A1	2007-05-23	EP1787369				
AU2005276963	A1	2006-03-02	AU2005276963				
WO2006/021055	A1	2006-03-02	WO200621055				

Abstract

(EP1787369)

A system, device, fibre **optic** cable and/or method for hauling fibre **optic** cable along a conduit to a location. The system including: a fibre **optic** cable (110), including an **optic** fibre (120), at least one first strengthening element (130) and at least one second strengthening element (140); an **optic** connector (150) attached to the at least one first strengthening element (130) and able to be optically aligned with the **optic** fibre (120); and, a hauling shroud (160), including a cavity to receive the **optic** connector, a locking mechanism to removably hold the at least one second strengthening element (140) and a member (230) for attaching a hauling rope or cable to pull the fibre **optic** cable (110) along the conduit.

Inventors

PIERCE ANDREW ELIOT

MENNIE ALEXANDER

Latest standardized assignees - inventors removed

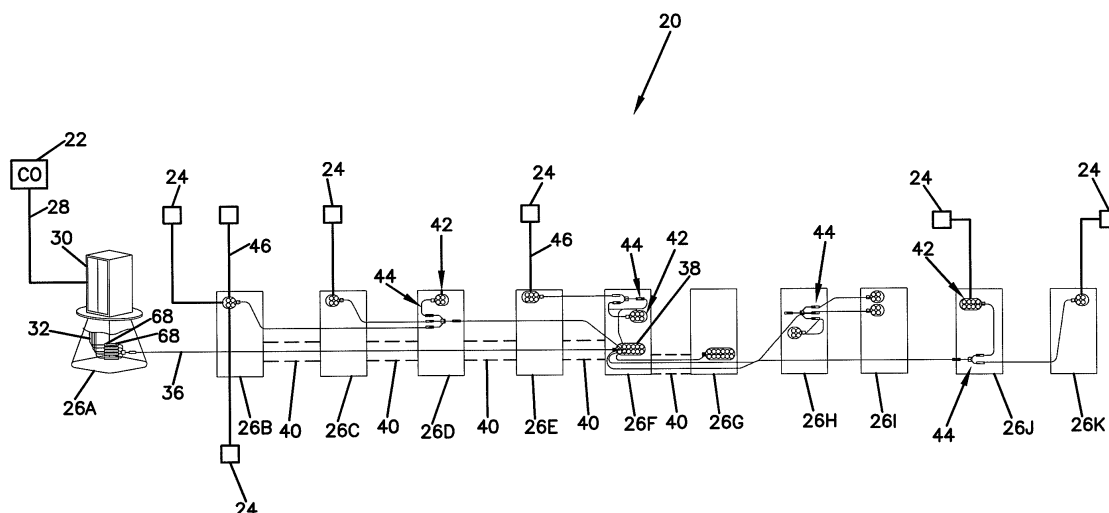
PRYSMIAN AUSTRALIA

Family 82/100 - FAMPAT - ©Questel

Title

(US20160341911)

Architecture for a **fiber optic** network**Images**



Publication data including kind & date

US20160341911	A1	2016-11-24	US20160341911
US9348097	B2	2016-05-24	US9348097
US20150219864	A1	2015-08-06	US20150219864
US8961035	B2	2015-02-24	US8961035
US20120027355	A1	2012-02-02	US20120027355



Abstract

(US20160341911)

The present disclosure relates to a **fiber optic** network architecture that uses outside plant fan-out devices to distribute optical signals between **fiber** distribution hubs and multi-service terminals. The network architecture can also include collector boxes positioned at selected locations of the network architecture. Additionally, patching systems can be used in facilitating upgrading the capacity of the **fiber optic** network.

Inventors

LEBLANC THOMAS G
KENNEDY BRYAN
GRONVALL ERIK J
ELLENS DOUGLAS C

Latest standardized assignees - inventors removed

COMMScope
COMMScope Technologies
ARRIS
RUCKUS WIRELESS

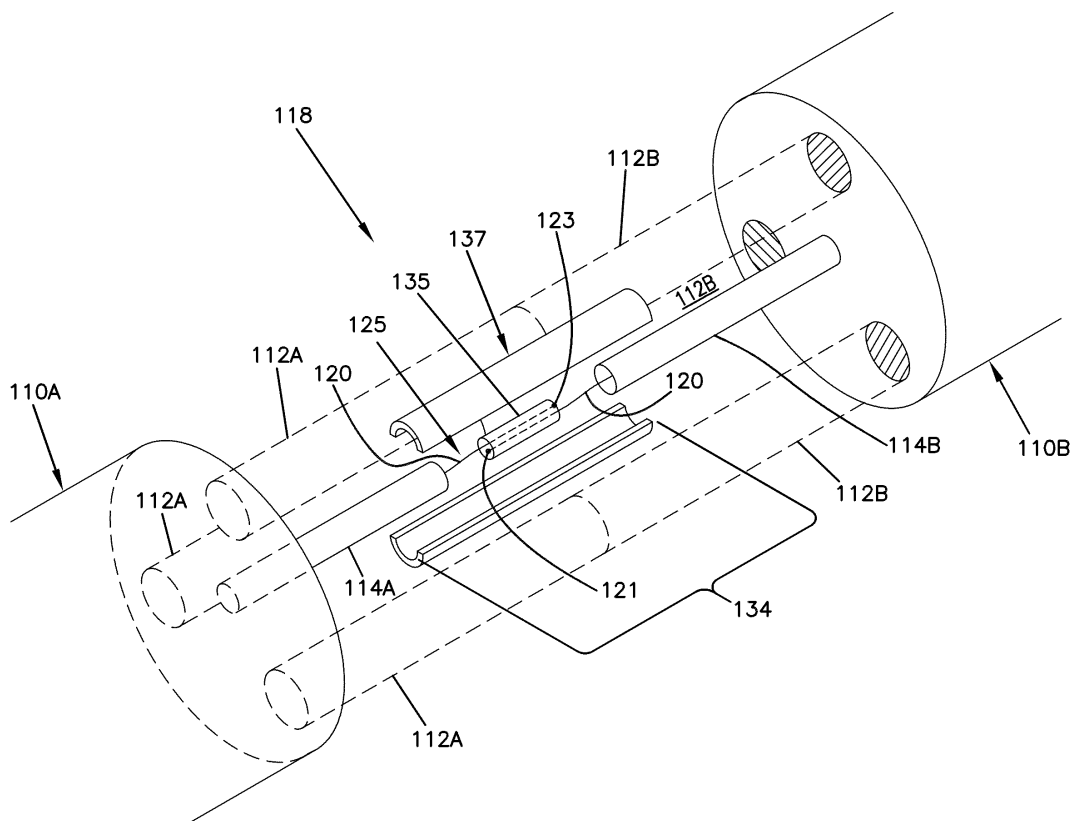
Family 83/100 - FAMPAT - ©Questel

Title

(WO2014189567)

Power cable with ability to provide optical **fiber** upgrade

Images

**Publication data including kind & date**

US9343882	B2	2016-05-17	US9343882
WO2014/189567	A3	2015-01-15	WO2014189567
CN204045266	U	2014-12-24	CN204045266U
WO2014/189567	A2	2014-11-27	WO2014189567
US20140241679	A1	2014-08-28	US20140241679

**Abstract**

(WO2014/189567)

The disclosed power cable enables optical fibers to be installed after the power cable has been installed, thereby forming a hybrid cable. Segments of the power cable are manufactured with **fiber** installation tubes containing pulling members. When the power cable segments are coupled together, the **fiber** installation tubes and pulling members also are coupled together to form a **fiber** installation conduit and an extended pulling member. A **fiber** pull arrangement can be coupled to the extended pulling member and drawn through the **fiber** installation conduit within the power cable at any time subsequent to installation of the power cable.

Inventors

KACHMAR WAYNE M
WRIGHT WILLIAM F
HUEGERICH THOMAS P
YANG LIZHANG
JACOBSEN WILLIAM J
FAHD ALY

Latest standardized assignees - inventors removed

TYCO ELECTRONICS

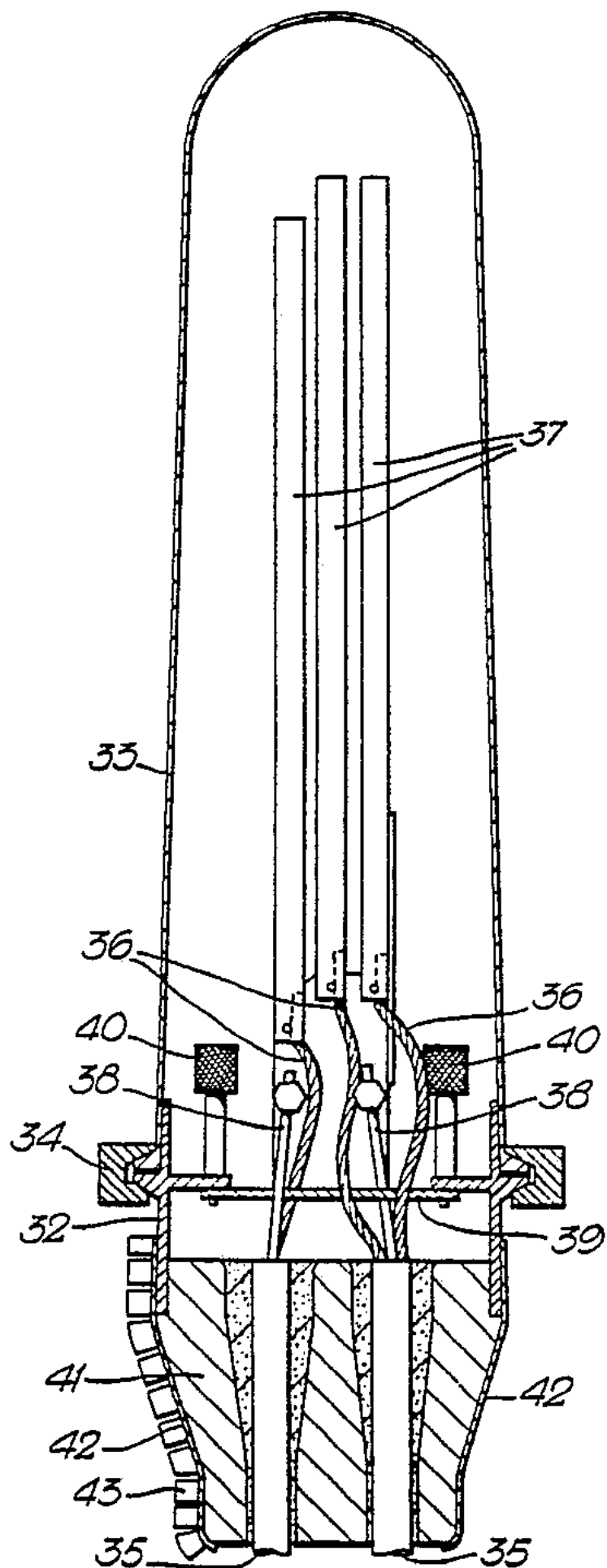
Family 84/100 - FAMPAT - ©Questel

Title

(EP-441883)

Splice case for optical fibre cable.

Images



Publication data including kind & date

DE68922623	T2	1996-02-29	DE68922623				
BRPI8907756	B1	1995-07-25	BR8907756				
DE68922623	D1	1995-06-14	DE68922623				
AT122472	T	1995-05-15	ATE122472				
EP0441883	B1	1995-05-10	EP-441883				
US5222183	A	1993-06-22	US5222183				
AU633860	B2	1993-02-11	AU-633860				
JPH04501620	A	1992-03-19	JP04501620				
EP0441883	A1	1991-08-21	EP-441883				
BR8907756	A	1991-08-20	BR8907756				
KR19907002388	A	1990-12-06	KR19907002388				
KR900702388	A	1990-12-06	KR19900702388				
AU4627489	A	1990-05-28	AU8946274				
BRPI8907756	A1	1990-05-17	BRPI8907756				
WO90/05318	A1	1990-05-17	WO9005318				
CA2002421	A1	1990-05-07	CA2002421				
GB8826062	D0	1988-12-14	GB8826062				

Abstract

(EP0441883)

An **enclosure** capable of enclosing a butt splice between at least two optical fibre cables, which comprises: a base through which respective cables can pass; at least one optical fibre organizer capable of storing an optical fibre in a path from one of the outlets to another of the outlets, said path having a minimum radius of curvature no smaller than the minimum bend radius of said optical fibre; and a hollow cover which can surround the organizer and which can be fixed to the base to close the **enclosure**; the base being removable from the splice by sliding over the organizer.

Inventors

DAEMS DANIEL

CLITS PATRICK

MOISSON MARC

NOLF JEAN-MARIE ETIENNE

Latest standardized assignees - inventors removed

RAYCHEM

Family 85/100 - FAMPAT - ©Questel

Title

(EP2707319)

Transformable cable reel

Images

MAKRIDES-SARAVANOS ELLI

MCGRANAHAN DANIEL S

VYNALEK JOHN H

Latest standardized assignees - inventors removed

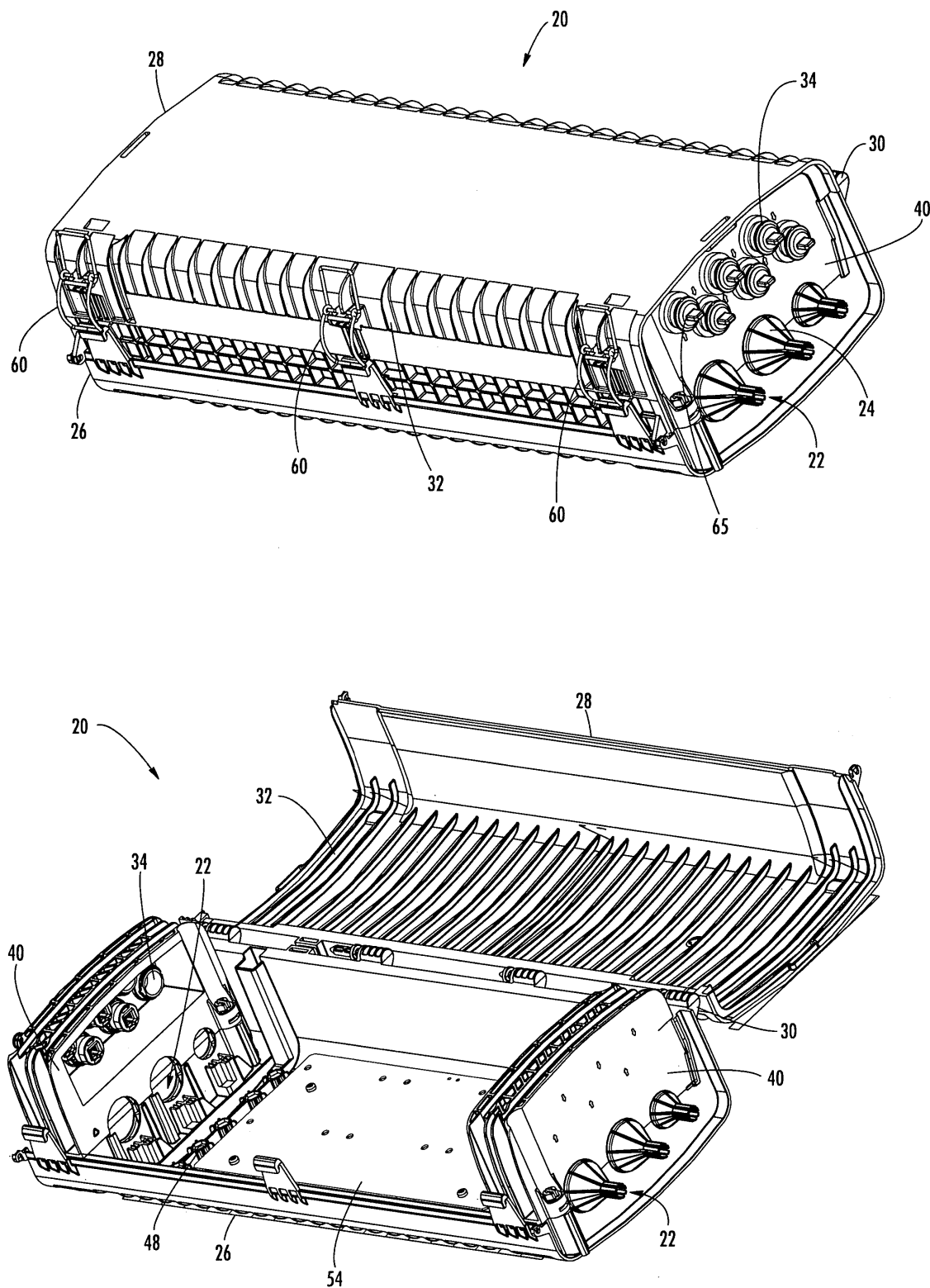
CORNING OPTICAL COMMUNICATIONS

Family 86/100 - FAMPAT - ©Questel

Title

(US20060093304)

Optical connection closure having at least one connector port

Images

Publication data including kind & date

US20060098932	A1	2006-05-11	US20060098932
US20060093304	A1	2006-05-04	US20060093304
US7013074	B2	2006-03-14	US7013074
US20050175307	A1	2005-08-11	US20050175307

**Abstract**

(US20060093304)

An optical connection closure has at least one connector port located within an external wall of the closure for receiving a connectorized optical **fiber** of a distribution cable on the inside of the closure and a pre-connectorized **fiber optic** drop cable on the outside of the closure. The closure includes a base, a cover affixed to the base and movable between a closed position and an opened position, and an end wall that defines at least a portion of at least one cable opening for receiving the distribution cable in a butt-type or a through-type closure configuration. The base and the cover define an interior cavity that optionally contains a splice tray for interconnecting the optical **fiber** of the distribution cable with a pigtail to create the connectorized optical **fiber**. The connector port may be located within an end wall, a bottom wall or a top wall of the closure.

Inventors

BATTEY JENNIFER A

CASTONGUAY GUY

CLAPP DONNIE R JR

COX TERRY D

MENKE BRETT A

REAGAN JASON B

VO CHANH C

Latest standardized assignees - inventors removed

CORNING OPTICAL COMMUNICATIONS

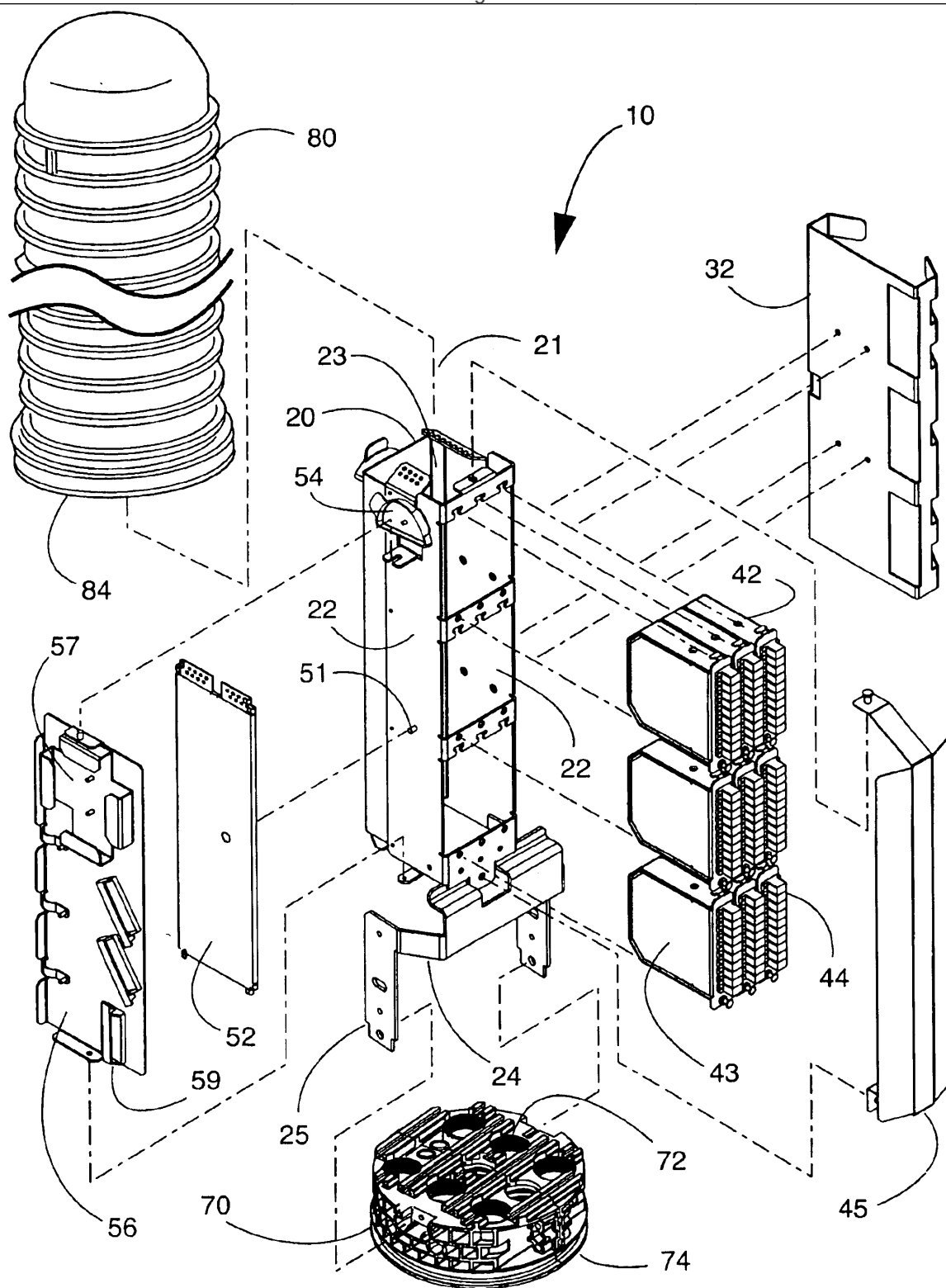
Family 87/100 - FAMPAT - ©Questel

Title

(US6778752)

Below grade closure for local convergence point

Images



Publication data including kind & date

US6778752	B2	2004-08-17	US6778752
US20030223725	A1	2003-12-04	US20030223725
CA2424741	A1	2003-11-30	CA2424741



Abstract

(US20030223725)

A closure interconnects at least one optical **fiber** of a feeder cable with two or more optical fibers of a distribution cable at a local convergence point in an optical network. The closure includes a frame defining a longitudinal axis and a plurality of mounting surfaces. The closure further includes a **fiber** coupling area adjacent one of the mounting surfaces and a **fiber** management area adjacent another one of the mounting surfaces. The **fiber** coupling area includes at least one coupler

module for splitting an optical signal carried on the optical **fiber** of the feeder cable into different optical signals carried on the two or more optical fibers of the distribution cable. The optical fibers of the distribution cable may be pre-connectorized drop cables, connectorized pigtails that are field terminated to fanout connectors, or optical fibers that are field terminated by mechanically splicing the optical fibers to drop cables.

Inventors

LAPORTE RICHARD B

RODRIGUEZ DIANA

HOFLICH ANDREW D

Latest standardized assignees - inventors removed

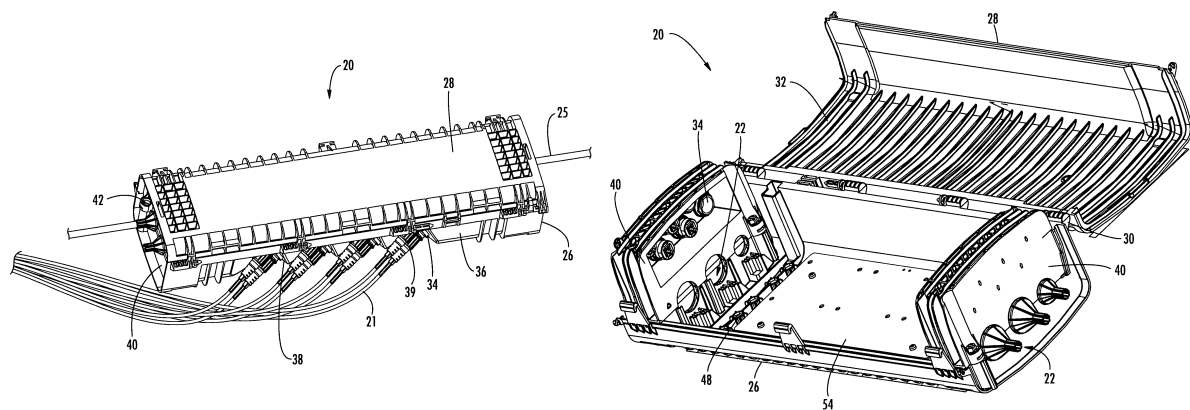
CORNING OPTICAL COMMUNICATIONS

Family 88/100 - FAMPAT - ©Questel

Title

(US7869681)

Optical connection closure having at least one connector port for optically connecting a drop cable to a distribution cable

Images**Publication data including kind & date**[US7869681](#) B2 2011-01-11 US7869681[US20080112681](#) A1 2008-05-15 US20080112681**Abstract**

(US20080112681)

An optical connection closure has at least one connector port located within an external wall of the closure for receiving a connectorized optical **fiber** of a distribution cable on the inside of the closure and a pre-connectorized **fiber optic** drop cable on the outside of the closure. The closure includes a base, a cover affixed to the base and movable between a closed position and an opened position, and an end wall that defines at least a portion of at least one cable opening for receiving the distribution cable in a butt-type or a through-type closure configuration. The base and the cover define an interior cavity that optionally contains a splice tray for interconnecting the optical **fiber** of the distribution cable with a pigtail to create the connectorized optical **fiber**. The connector port may be located within an end wall, a bottom wall or a top wall of the closure.

Inventors

BATTEY JENNIFER A

CASTONGUAY GUY

CLAPP JR DONNIE R

COX TERRY D

MENKE BRETT A

REAGAN JASON B

VO CHANH C

Latest standardized assignees - inventors removed

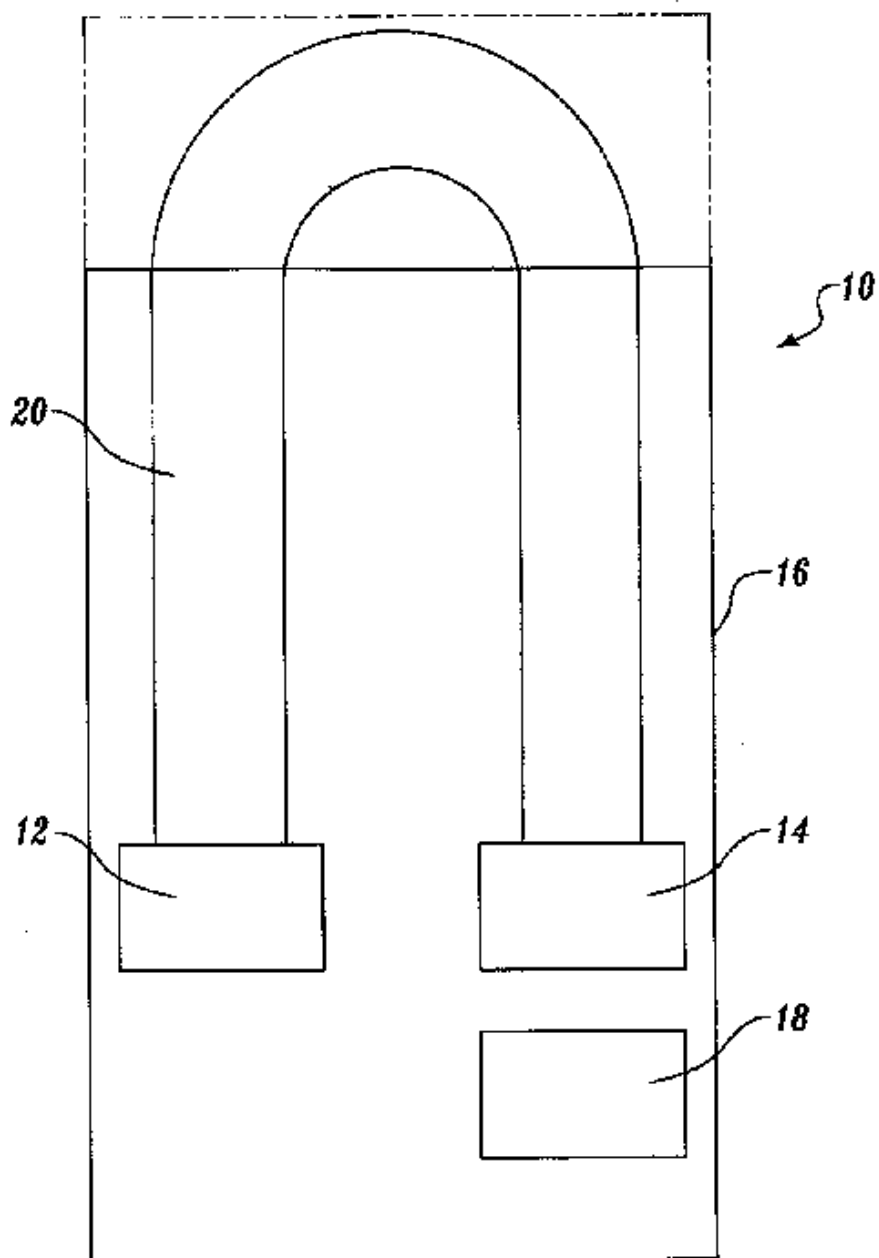
CORNING OPTICAL COMMUNICATIONS

Family 89/100 - FAMPAT - ©Questel

Title

(WO9804939)

Optical sensor

Images*Fig. 1***Publication data including kind & date**

US5966477	A	1999-10-12	US5966477
AU3895697	A	1998-02-20	AU9738956
WO98/04939	A1	1998-02-05	WO9804939
US5712934	A	1998-01-27	US5712934



Abstract

(WO98/04939)

There is disclosed an optical sensor (10) comprising a light source (12), light detector (14) and signal generator, and optical fiber (20) extending between the light source (12) and detector (14). The optical fiber (20) includes a sensing length (26) comprising a return bend in the fiber, where the return bend has a bend radius less than or equal to 2.5 times the radius of the optical fiber (20). In one embodiment, the sensing length (26) further includes a planar sensing surface (28). A method for detecting the presence of a medium in an environment using the optical sensor (10) of the invention is also disclosed.

Inventors

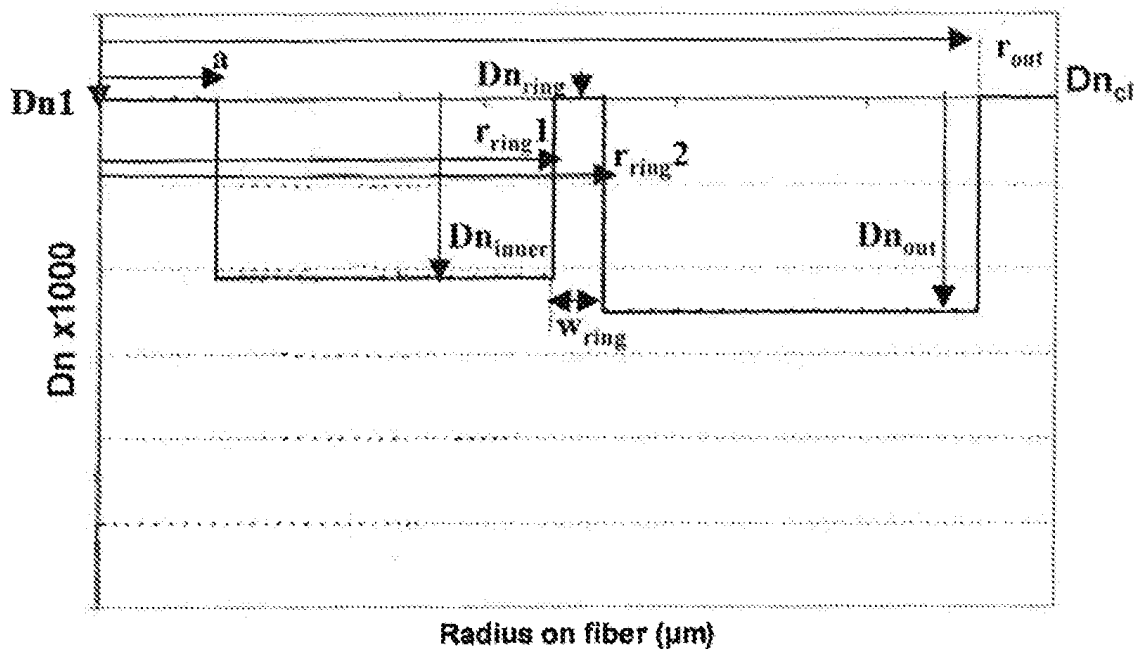
JOHNSON DOUGLAS M

Family 90/100 - FAMPAT - ©Questel

Title

(EP2533082)

Single mode optical fiber

Images**Publication data including kind & date**

KR10-1908735	B1	2018-12-18	KR101908735
JP5881213	B2	2016-02-12	JP5881213
CN102819063	B	2015-12-02	CN102819063B
IN1730/DEL/2012	A	2015-10-30	IN2012DE01730
US8798424	B2	2014-08-05	US8798424
AU2012203319	B2	2014-07-24	AU2012203319
ES2451369	T3	2014-03-26	ES2451369
DK2533082	T3	2014-03-24	DK2533082T
EP2533082	B1	2013-12-25	EP2533082
AU2012203319	A1	2013-01-10	AU2012203319
JP2012256049	A	2012-12-27	JP2012256049
KR20120137299	A	2012-12-20	KR20120137299
US20120315006	A1	2012-12-13	US20120315006
CN102819063	A	2012-12-12	CN102819063
EP2533082	A1	2012-12-12	EP2533082



Abstract

(EP2533082)

A single mode optical fiber comprises from center to periphery: - a core having a radius (a) and an index difference (Dn_1) with outer cladding (Dn_{cl}) comprised between $-0.5 \cdot 10^{-3}$ and $0.5 \cdot 10^{-3}$; - an inner depressed cladding having a radius (r_{ring1}) and an index difference (Dn_{inner}) with outer cladding; - a ring having an inner radius (r_{ring1}) comprised between $21\mu m$ and $35\mu m$, an outer radius (r_{ring2}) and an index difference (Dn_{ring}) with the outer cladding comprised between $-0.5 \cdot 10^{-3}$ and $0.5 \cdot 10^{-3}$; - an outer depressed cladding having a radius (r_{out}) and an index difference (Dn_{out}) with outer cladding. The fiber has a ratio of the volume of the core over the width of the ring (W_{ring}) comprised between $0.12\mu m$ and $0.2\mu m$ and the outer depressed cladding has a volume comprised between $15 \mu m^2$ and $30 \mu m^2$. A low cost preform with increased capacity can be obtained.

Inventors

BIGOT-ASTRUC MARIANNE

SILLARD PIERRE

Latest standardized assignees - inventors removed

DRAKA COMTEQ

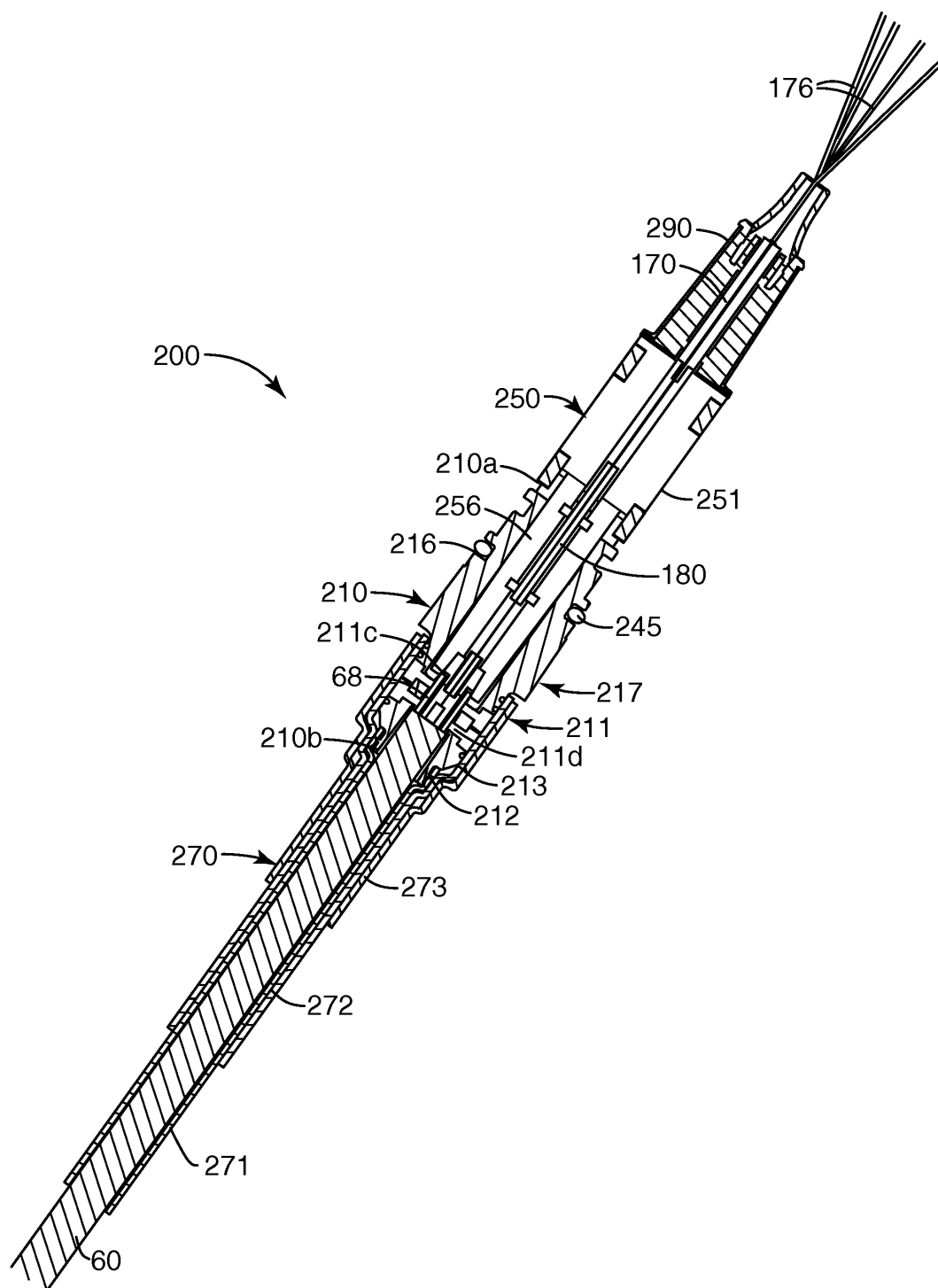
Family 91/100 - FAMPAT - ©Questel

Title

(EP2318868)

Optical fiber cable inlet device with integral optical device

Images



Publication data including kind & date

EP2318868	A4	2018-03-28	EP2318868
US8184939	B2	2012-05-22	US8184939
CN102165349	A	2011-08-24	CN102165349
EP2318868	A2	2011-05-11	EP2318868
WO2010/014476	A3	2010-03-25	WO201014476
TW201011360	A	2010-03-16	TW201011360
US20100027955	A1	2010-02-04	US20100027955
WO2010/014476	A2	2010-02-04	WO201014476



Abstract

(EP2318868)

An inlet device is described for inserting a cable containing optical fibers into a telecommunications **enclosure**. The inlet device includes a housing and an optical device holder. The optical device holder may be configured to hold an optical **fiber**

spice and/or an optical device such as an optical splitter, coupler or a dense wavelength division multiplexing (DWDM) device.

Inventors

PARIKH RUTESH D

ALLEN WILLIAM G

BLUDAU THOMAS E

Latest standardized assignees - inventors removed

3M

CORNING RESEARCH & DEVELOPMENT

Family 92/100 - FAMPAT - ©Questel

Title

(AU2011201172)

Multi-level distributed fiber optic architectures

Images

may comprise a first drop port and a first pass-through port. At least one of the predetermined ones of the plurality of optical fibers routes to the first drop port and at least one of the predetermined ones of the plurality of optical fibers routes to the first pass-through port. The method may also comprise providing and configuring a second **fiber optic** network device optically coupled to the first **fiber optic** network device through the first pass-through port. The configuring may also comprise disposing one or more splitters in the first and second **fiber optic** network devices.

(From US8249450 B2)

Inventors

CONNER MARK E

SCHNICK GARY B

Latest standardized assignees - inventors removed

CORNING CABLE SYSTEMS

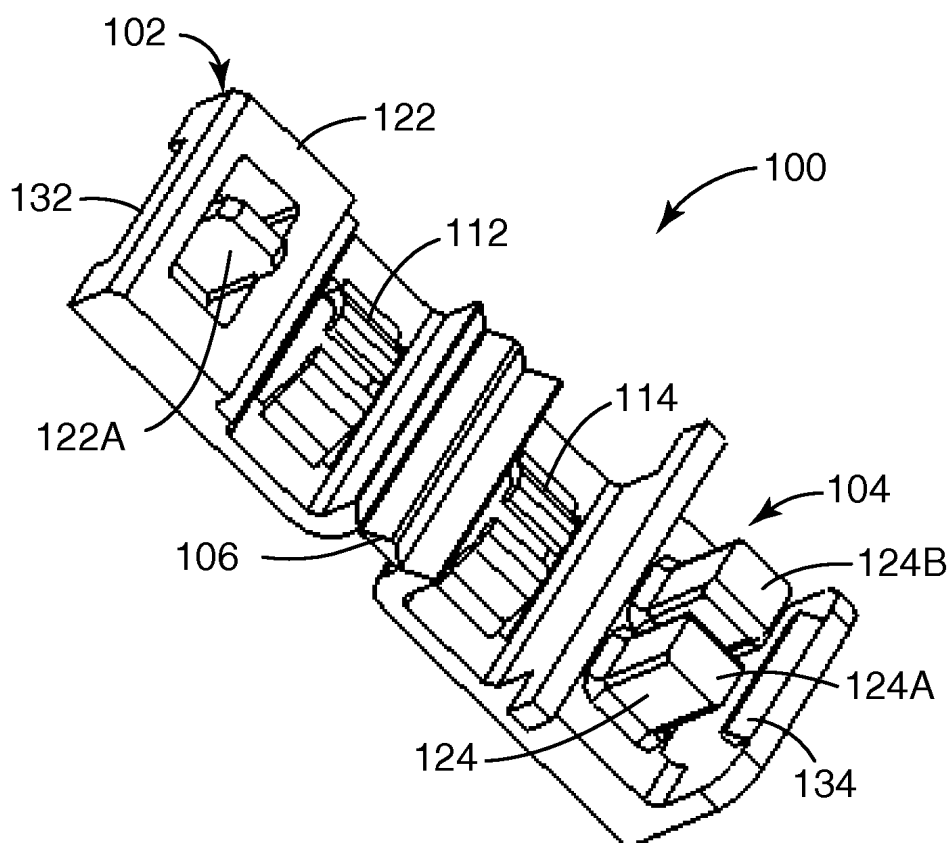
Family 93/100 - FAMPAT - ©Questel

Title

(EP2074461)

Optical **fiber** cable retention device

Images



Publication data including kind & date

CN102062914	B	2014-06-18	CN102062914B
CN101529298	B	2011-09-21	CN101529298B
CN102062914	A	2011-05-18	CN102062914
US20100092147	A1	2010-04-15	US20100092147
CN101529298	A	2009-09-09	CN101529298
EP2074461	A2	2009-07-01	EP2074461
WO2008/048935	A3	2008-09-18	WO200848935
WO2008/048935	A2	2008-04-24	WO200848935



Abstract

(EP2074461)

An optical **fiber** cable retention device includes a body having first and second opposing portions and a hinge disposed therebetween to retain an optical **fiber** cable when the optical **fiber** cable retention device is placed in a closed position. The first and second body portions are engageable with one another about the hinge. At least one of the first and second body portions includes a flexible wall portion configured to provide a retention force to an outer jacket of the **fiber** cable. At least one of the first and second body portions includes a strength member retention area having one or more structures configured to engage a strength member of the optical **fiber** cable. The optical **fiber** cable retention device also includes a latching mechanism to secure the device in the closed position.

Inventors

DESARD CHRISTOPHE

DILMEN TAHSIN

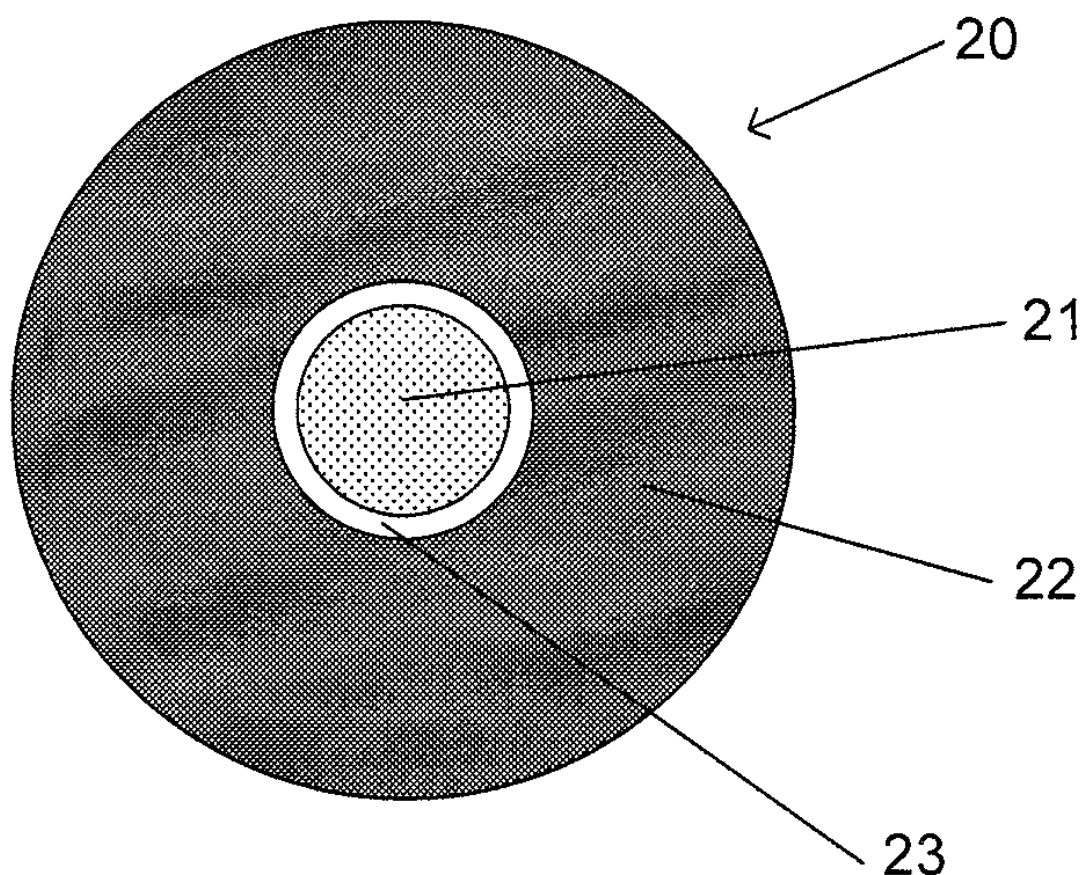
Latest standardized assignees - inventors removed

3M

Family 94/100 - FAMPAT - ©Questel

Title

(EP2284587)

Tight-buffered optical **fiber** unit having improved accessibility**Images****Publication data including kind & date**

PL2284587	T3	2018-08-31	PL2284587
ES2668839	T3	2018-05-22	ES2668839
EP2284587	B1	2018-03-21	EP2284587



BRPI1004392	A2	2012-07-17	BR201004392				
CN102141664	A	2011-08-03	CN102141664				
EP2284587	A1	2011-02-16	EP2284587				
US20110026889	A1	2011-02-03	US20110026889				

Abstract

(EP2284587)

Disclosed are tight-buffered and semi-tight-buffered optical **fiber** units. The optical **fiber** unit includes an optical **fiber** that is surrounded by a polymeric buffering layer to define a **fiber**-buffer interface. The buffering layer includes an aliphatic amide slip agent in an amount sufficient for at least some of the aliphatic amide slip agent to migrate to the buffer-**fiber** interface to thereby promote easy stripping of the buffering layer. For example, at least about 15 centimeters of the polymeric buffering layer can be removed from the optical **fiber** in a single operation using a strip force of less than about 10 N.

Inventors

RISCH BRIAN GEORGE

PERTTUNEN TIMO

Latest standardized assignees - inventors removed

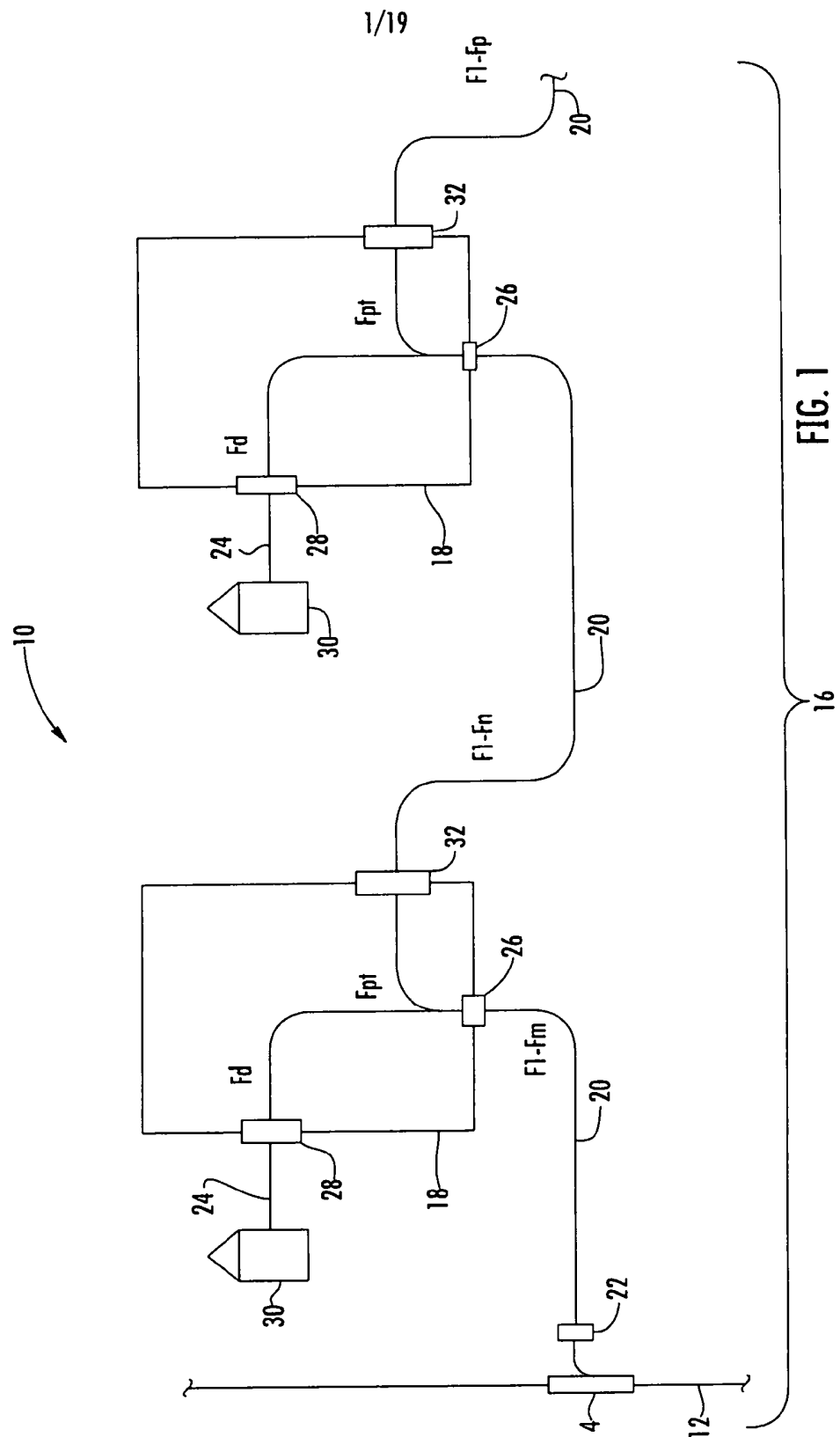
DRAKA COMTEQ

Family 95/100 - FAMPAT - ©Questel

Title

(AU2010219424)

Methods of port mapping in **fiber optic** network devices**Images**



Publication data including kind & date

AU2010219424

A1 2010-10-07 AU2010219424



Abstract

(AU2010219424)

A method for port mapping a **fiber optic** network device is disclosed. The method comprises the steps of providing a first **fiber optic** network device and configuring the first **fiber optic** network device by disposing therein a first plurality of ports and a plurality of optical fibers optically coupled to a distribution cable. The method also comprises routing predetermined ones of the plurality of optical fibers to respective predetermined ones of the plurality of ports. The first plurality of ports

may comprise a first drop port and a first pass-through port. At least one of the predetermined ones of the plurality of optical fibers routes to the first drop port and at least one of the predetermined ones of the plurality of optical fibers routes to the first pass-through port. The method may also comprise providing and configuring a second **fiber optic** network device optically coupled to the first **fiber optic** network device through the first pass-through port. The configuring may also comprise disposing one or more splitters in the first and second **fiber optic** network devices.

(From US8249450 B2)

Inventors

CONNER MARK E

Latest standardized assignees - inventors removed

CORNING CABLE SYSTEMS

Family 96/100 - FAMPAT - ©Questel

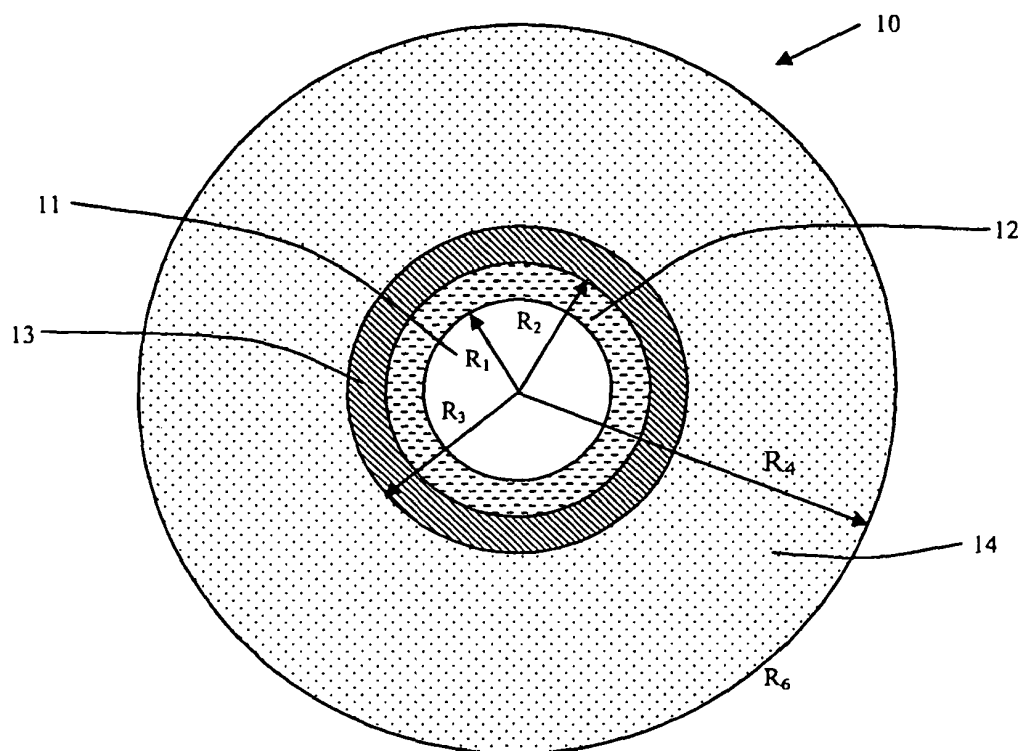
Title

(EP2116877)

Single mode optical **fiber**

Images

FIG. 1



10 – fiber

11 – central core

12 – intermediate cladding

13 – depressed cladding

14 – external optical cladding (refractive index n_g)

Publication data including kind & date

KR101614943	B1	2016-04-22	KR101614943
CN101587204	B	2013-11-06	CN101587204B
RU2491237	C2	2013-08-27	RU2491237
ES2377531	T3	2012-03-28	ES2377531
PT2116877	E	2012-02-29	PT2116877
DK2116877	T3	2012-02-27	DK2116877T
AT538401	T	2012-01-15	ATE538401
EP2116877	B1	2011-12-21	EP2116877
RU2009117161	A	2010-11-10	RU2009117161
BRPI0903197	A2	2010-05-25	BR200903197
CN101587204	A	2009-11-25	CN101587204
EP2116877	A1	2009-11-11	EP2116877
KR20090116650	A	2009-11-11	KR20090116650



The invention relates to a testing device and a testing method for the wet withstand voltage of an optical phase conductor (OPPC) connector **box**. The testing device comprises a connector **box**, a test auxiliary extension OPPC optical cable, a test auxiliary extension all dielectric self-supporting (ADSS) optical cable, a voltage source, an optical attenuation monitoring instrument and an artificial rain sprinkler; a high-voltage positive electrode of the voltage source is connected with an upper connector **box** body by an applied voltage circuit; a high-voltage negative electrode of the voltage source is grounded; one end of the test auxiliary extension OPPC optical cable is connected with the upper connector **box** body, and the other end of the test auxiliary extension OPPC optical cable is connected with the optical attenuation monitoring instrument; the artificial rain sprinkler is used for sprinkling the connector **box** to be wet; and one end of the test auxiliary extension ADSS optical cable is connected with a l

Inventors

QI LIYAN

Latest standardized assignees - inventors removed

CHINA ELECTRIC POWER RESEARCH INSTITUTE

STATE GRID CORPORATION OF CHINA (SGCC)

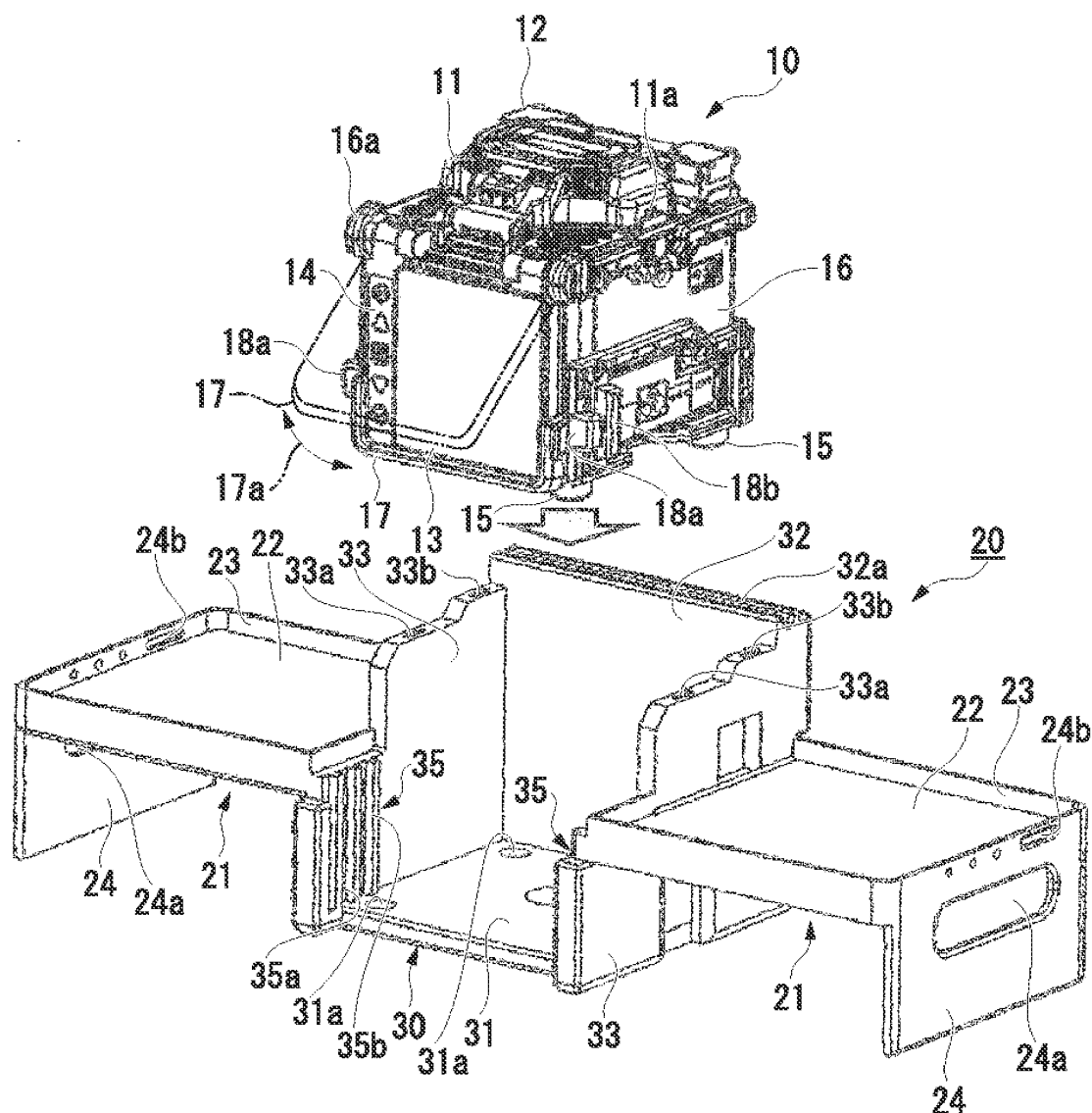
Family 98/100 - FAMPAT - ©Questel

Title

(EP2801848)

Optical **fiber** fusion splicing system

Images



Publication data including kind & date

EP2801848	B1	2017-07-05	EP2801848				
IN1137/CHENP/2014	A	2016-07-01	IN2014CN01137				
CN103713358	B	2015-12-30	CN103713358B				
KR101577259	B1	2015-12-14	KR101577259				
EP2801848	A4	2015-04-15	EP2801848				
EP2801848	A1	2014-11-12	EP2801848				
US20140157830	A1	2014-06-12	US20140157830				
KR20140057199	A	2014-05-12	KR20140057199				
JP2014074796	A	2014-04-24	JP2014074796				
WO2014/054307	A1	2014-04-10	WO201454307				
CN103713358	A	2014-04-09	CN103713358				
CN203444136	U	2014-02-19	CN203444136U				
JP5328966	B1	2013-08-02	JP5328966				

Abstract

(EP2801848)

An optical **fiber** fusion splice system includes a working table and a storage **box** which stores the working table, wherein the working table includes a fusion splicing machine installation portion accommodating a fusion splicing machine to be stored in the storage **box** and a working surface on which preparation work for an optical **fiber** is configured to be performed, the fusion splicing machine installation portion includes a fusion splicing machine restriction portion being configured to restrict the fusion splicing machine without the fusion splicing machine moving in a horizontal direction with respect to the working table, the working surface includes a protrusion provided on an outer circumference of the working surface, the protrusion being configured to prevent a tool used in the preparation work from falling from the working surface, the storage **box** includes a **box** main body and a cover which covers an upper portion of the **box** main body, the **box** main body has a two-layer structure which is configured of a **box** main body outer layer formed of a rigid thermoplastic resin and a **box** main body inner layer of which at least a portion is formed of a synthetic resin foam body, the **box** main body outer layer includes a bottom portion and a side wall portion which is erected around the bottom portion, the **box** main body inner layer includes a working table fitting portion capable of being fitted to the working table so that the **box** main body outer layer and the working table have no contact each other, the working table fitting portion includes protrusions contacting the working table and recessed portions having no contact with the working table, the cover has a two-layer structure which is configured of a cover outer layer formed of a rigid thermoplastic resin, and a cover inner layer formed of a synthetic resin foam body, and the cover outer layer has no contact with the working table.

Inventors

KAWANISHI NORIYUKI

Latest standardized assignees - inventors removed

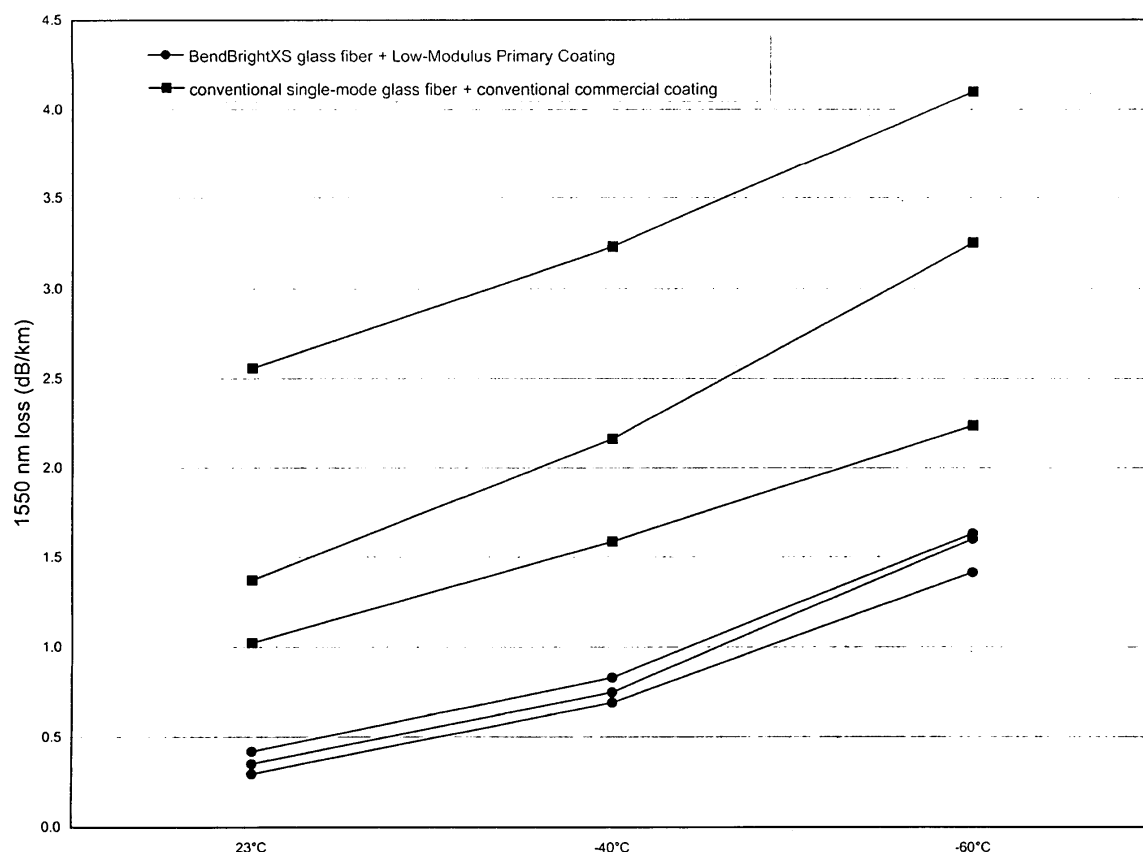
FUJIKURA

Family 99/100 - FAMPAT - ©Questel

Title

(EP2206001)

Microbend- resistant optical **fiber****Images**



Publication data including kind & date

BRPI0819166	B1	2019-03-06	BR200819166
BRPI0819166	A2	2018-12-26	BRPI0819166
ES2480190	T3	2014-07-25	ES2480190
DK2206001	T3	2014-07-07	DK2206001T
CN102099711	B	2014-05-14	CN102099711B
EP2206001	B1	2014-04-16	EP2206001
US8265442	B2	2012-09-11	US8265442
CN102099711	A	2011-06-15	CN102099711
EP2206001	A1	2010-07-14	EP2206001
US20090175583	A1	2009-07-09	US20090175583
WO2009/062131	A1	2009-05-14	WO200962131



Abstract

(EP2206001)

Disclosed is an improved, single-mode optical **fiber** possessing a novel coating system. When combined with a bend-insensitive glass **fiber**, the novel coating system according to the present invention yields an optical **fiber** having exceptionally low losses. The coating system features (i) a softer primary coating with excellent low-temperature characteristics to protect against microbending in any environment and in the toughest physical situations and, optionally, (U) a colored secondary coating possessing enhanced color strength and vividness. The secondary coating provides improved ribbon characteristics for structures that are robust, yet easily entered (i.e., separated and stripped). The optional dual coating is specifically balanced for superior heat stripping in **fiber** ribbons, with virtually no residue left behind on the glass. This facilitates fast splicing and terminations. The improved coating system provides optical fibers that offer significant advantages for deployment in most, if not all, **fiber**-to-the-premises (FTTx) systems.

Inventors

OVERTON BOB J

DE MONTMORILLON LOUIS-ANNE

RICHARD SIMON

MOLIN DENIS

BIGOT-ASTRUC MARIANNE

SILLARD PIERRE

BOIVIN DAVID

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GOOIJER FRANS

PETITFRERE EMMANUEL

LUMINEAU YVES

ACHTEN FRANCISCUS JOHANNES

NOUCHI PASCALE

Latest standardized assignees - inventors removed

DRAKA COMTEQ

Family 100/100 - FAMPAT - ©Questel

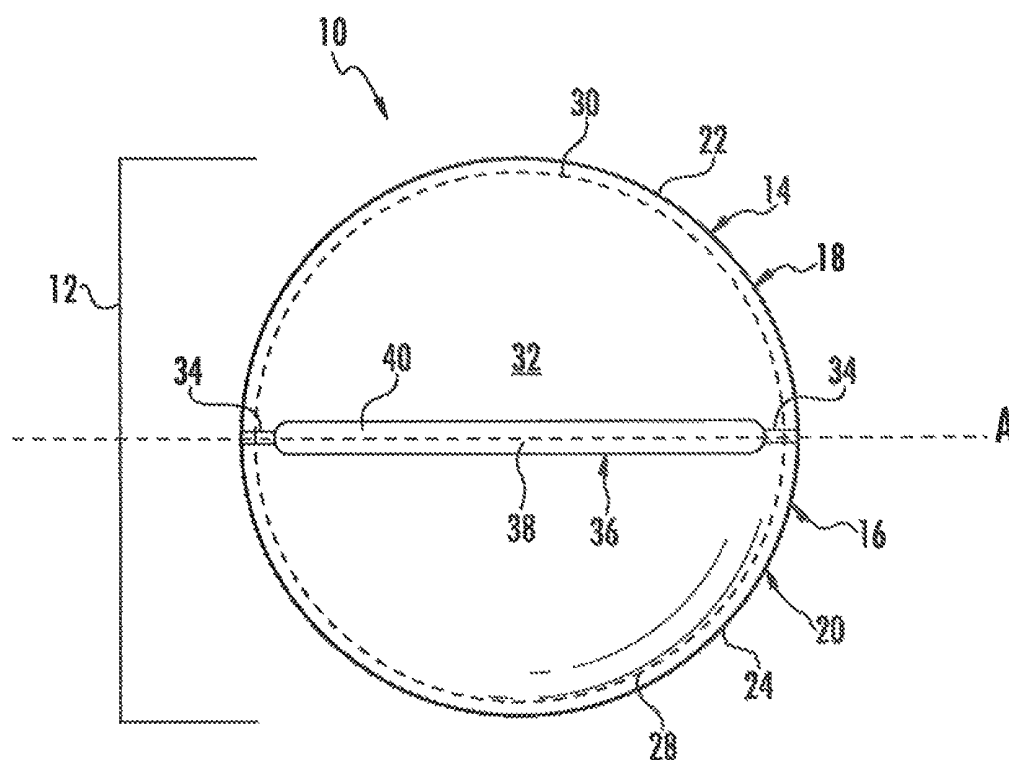
Title

(AU2015215833)

Impact resistant **fiber optic** enclosures and related methods**Images**

18 Aug 20

2015215833

**FIG 1****Publication data including kind & date**[AU2015215833](#)

A1 2015-09-10

AU2015215833

**Abstract**

(AU2015215833)

IMPACT RESISTANT **FIBER OPTIC** ENCLOSURES AND RELATED METHODS Impact resistant **fiber optic** enclosures for **fiber optic** components and related methods are disclosed. In one embodiment, a **fiber optic enclosure** is provided and

comprises a housing comprising a base, a cover, and a seal disposed between the cover and the base to secure the cover to the base and define an interior cavity configured to support one or more **fiber optic** components. At least one expandable joint is disposed in the housing and configured to deflect and/or assist in deflecting an impact load applied to the housing. In this manner, any **fiber optic** components disposed in the interior cavity are protected from being damaged and/or from being exposed to the environment outside of the interior cavity. The at least one expandable joint may be disposed in at least one of the cover and the base. The at least one expandable joint may comprise two expandable joints as another example.

Inventors

MAKRIDES-SARAVANOS ELLI

STRAUSE CRAIG A

STRAUSE KEVIN L

Latest standardized assignees - inventors removed

CORNING CABLE SYSTEMS