

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO	
RAD: 15-303151- -2	FECHA: 2016-06-07 14:45:49
DEP: 2020 DIRECCION DE NUEVAS CREACIONES	EVE: 1 REGISTRO/DEPOSITO/CONCESION/DEPOSITO
TRA: 3 PATENTES DE MODELO DE UTILIDAD	FOLIOS: 3
ACT: 519 TRASLADOINFORME	

DIRECCIÓN DE NUEVAS CREACIONES

2020
Bogotá, D.C.,

Abogado(a)/Señor(a)
CAROLINA VERA MATIZ

Asunto: Radicación: 15-303151- -2
Trámite: 3
Evento: 1
Actuación: 519
Oficio: 6696
Folios: 3

Patente de Invención				Patente de Modelo de Utilidad	X
Vía Nacional	X				
Vía PCT (Fase Nacional)		Capítulo I		Capítulo II	
No. Solicitud Internacional					
Fecha de Presentación Internacional					

Como resultado del examen de fondo realizado, con fundamento en el Artículo 45 de la Decisión 486 de la Comisión de la Comunidad Andina, se comunica:

1. Documentos estudiados

Descripción:	Radicado N° 15-303151-00000-0000	21/Diciembre/2015
Reivindicaciones:	Radicado N° 15-303151-00000-0000	21/Diciembre/2015
Dibujos:	Radicado N° 15-303151-00000-0000	21/Diciembre/2015

2. Objeto de la invención

De acuerdo con lo establecido en el numeral 1.2.2.2 del capítulo primero del Título X de la Circular Única para efectos del examen de patentabilidad, se tendrá en cuenta la tasa pagada por la solicitante al momento de comenzar el examen para las reivindicaciones adicionales; esto es que cuando la solicitud contenga más de diez (10) reivindicaciones y no se haya pagado la tasa complementaria, sólo se estudiarán las cubiertas por la tasa pagada. En el presente caso se estudiarán las reivindicaciones 1 a 10 del capítulo reivindicatorio (Radicado N°. 15-303151-00000-0000).

Título de la solicitud: “Caja compacta modular para empalme, derivación y conectorización de fibra óptica en marcos de distribución” (modificado Radicado N°. 15-303151-00000-0000).

El problema planteado en esta solicitud consiste en suministrar una caja para

almacenamiento, derivación y conectorización de cables de transmisión de datos en un espacio reducido que permite su gestión en armarios de alto tráfico y adicionalmente facilitar su uso por parte de operarios facilitando una reparación mayor dentro de la caja sin tener que retirarla del marco o rack.

Para resolver este problema técnico la solicitud en estudio proporciona una caja compacta modular que está compuesta por un envoltorio conformado por una caja, una tapa removible y una ventana, además de un sistema organizador compuesto por una bandeja deslizante con unos rieles, una bandeja para fibra óptica, unas regletas para soporte de adaptadores, unas chapas anti tracción y una cadena de transporte y protección.

El objeto de la presente solicitud se relaciona con la Clasificación Internacional de Patentes (CIP): F28F 9/04; H01R 12/00.

3. De la solicitud de patente

Reivindicaciones (Art 30 D 486, Art 22 PCT)

- Los términos “sistema” (reivindicaciones 1, 5 y 6) y “sistemas” (reivindicación 1, 9 y 10), no son permitidos, ya que no son susceptibles de patente según el Artículo 81. Se sugiere al solicitante reemplazarlos por los términos “dispositivo”, “componente”, “elemento”, “artefacto”, “mecanismo”, etc.
- La reivindicación 1 revela unos componentes de los “sistemas”, los cuales son mencionados como elementos aleatorios, sin definir la ubicación y correlación entre ellos. Se debe hacer la corrección, sin incluir ventajas de la invención, resultados a alcanzar ni usos.
- La reivindicación 5 incluye un resultado a alcanzar, tal y como se describe: “...y un cuerpo que genera un perfil en forma de U...”. Los resultados a alcanzar no definen el producto reclamado, puesto que las reivindicaciones incluirían no sólo la solución propuesta por el solicitante, sino todas las alternativas presentes o futuras que lleguen a ese resultado. Se sugiere reemplazarlo por las características esenciales, estructurales o funcionales, que contribuyen a la obtención de ese efecto.
- Las reivindicaciones 7 y 9, revelan características funcionales, tal y como se describe: las dependientes 7 y 9: “...para soporte de adaptadores (11)...”. La dependiente 9: “...para ensamble de la regleta (10)...”. Este tipo de características, aunque explican la relación que hay entre diversas características estructurales y pueden estar incluidas en las reivindicaciones, no definen la invención; por lo tanto no se tienen en cuenta para el estudio de patentabilidad.

4. Determinación del Estado de la Técnica

Considerando que la fecha de presentación de la solicitud de patente de invención es: Fecha de presentación de solicitud de patente nacional, es decir, diciembre 21 de 2015, se buscaron documentos relacionados en el estado de la técnica, con fecha de publicación anterior a ésta.

Consultadas las bases de datos y los archivos con que cuenta la entidad, no se encontró documento alguno que afecte la patentabilidad.

5. Conclusión

Las reivindicaciones 1 a 10 no se encuentran divulgadas en el Estado de la Técnica, por lo tanto cumplen con los requisitos del Art. 16 y el Art. 18 de la Decisión 486.

Se deben tener en cuenta las objeciones realizadas para poder dar un trámite satisfactorio a la solicitud.

En cumplimiento del artículo 45 de la Decisión 486 de la Comisión de la Comunidad Andina, se le indica que debe dar respuesta dentro del término de treinta (30) días contados a partir de la fecha de notificación de la presente comunicación. En caso de no dar respuesta al presente requerimiento, o si a pesar de la respuesta subsistieran los impedimentos para la concesión, se denegará la patente.

Si como respuesta a este requerimiento el solicitante llegara a modificar: i) el capítulo reivindicatorio, ii) la descripción de la invención a proteger, iii) o presente un nuevo capítulo reivindicatorio, y desee que se realice un nuevo examen de patentabilidad a esta modificación, no deberá pagar la tasa de modificación voluntaria pero sí la correspondiente a la tasa de examen de patentabilidad. En todo caso, el número de requerimientos por no patentabilidad estará supeditado a que el término del estudio de patentabilidad no sea superior a 9 meses, contados desde la publicación de la solicitud de patente de modelo de utilidad. Adicionalmente, se le recuerda al solicitante que si como respuesta a este requerimiento llegara a modificar el capítulo reivindicatorio y éste contenga más de diez (10) reivindicaciones deberá pagar la tasa por reivindicación adicional.

Notifíquese el presente oficio conforme a lo dispuesto en el numeral 5.2, literal e), del capítulo quinto del título primero de la Circular Única No. 10 de 2001.



JOSÉ LUIS SALAZAR LÓPEZ
Director de Nuevas Creaciones (c)

El anterior requerimiento fue notificado por fijación en lista, de fecha 2016-06-14

Elaboró: Ivan Mauricio Ardila Romero
Revisó: Rachid Ponce Vergel

IvĂin Ardila

Search history

- Search 1: optical fiber (Results 100000)
- Search 2: box (Results 100000)
- Search 3: tray (Results 100000)
- Search 4: window (Results 100000)
- Search 5: 1 and 2 and 3 and 4 (Results 9)

Title: GRAVIMETRIC ANALYZER

Abstract: Source: JP10038783A PROBLEM TO BE SOLVED: To enable the measurement of a change in the weight of a microwave irradiated sample caused by the thermal cracking, attraction, desorption or the like to be measured by connecting a sample weight measuring instrument to a sample **tray** in the microwave irradiated **box** body through a strut penetrating the bottom plate of the **box** body. SOLUTION: A sample **tray** 3 is mounted to the tip of a weight measuring strut 5 penetrating a hole 21 in the bottom plate 31 of a **box** body to be located in the frontage of a microwave irradiated **window** connected to a microwave irradiated wave guide 19. An **optical fiber** thermometer unaffected by the microwave is used as a temperature sensor 10. A sample temperature sensor 7 of a non-contact type one measures temperature with an infrared ray generated from the sample 4. A high sensitivity balance is used for a sample weight measuring instrument 14 and connected to the sample **tray** 3 through a strut 5. The weight information of the sample 4 obtained from the weight measuring instrument 14 is sent to a recorder 16 so that the sample weight is recorded as time goes on. The same kind of existing product as a heater such as an electronic range may be used for a microwave oscillator 18 and the wave guide 19.

Classifications:

International (IPC 8-9): G01N22/00 G01N25/20 G01N5/00

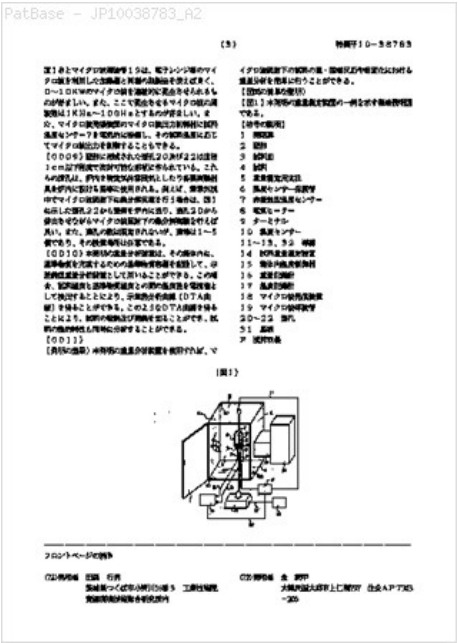
G01N5/04 (Advanced/Invention);

G01N22/00 (Advanced/Non-invention);

G01N22/00 G01N25/20 G01N5/00 (Core/Invention);

G01N22/00 (Core/Non-invention)

International (IPC 1-7): G01N22/00 G01N25/20 G01N5/00 G01N5/04



Family:

Publication number	Publication date	Application number	Application date
JP10038783 A2	19980213	JP19960196005	19960725
JP10038783 K1	19980213	JP19960196005	19960725
JP2847179 B2	19990113	JP19960196005	19960725

Priority:

JP19960196005 19960725

Probable Assignee: AGENCY IND SCIENCE TECHN

Assignee(s): (std): AGENCY IND SCIENCE TECHN

Assignee(s): AGENCY OF IND SCIENCE AND TECHNOL ; KOGYO GIJUTSU INCHO

Inventor(s): (std): KIN JUNKO ; KOBAYASHI SATORU ; KUSHIYAMA AKIRA ; MIZUNO KOICHI ; TAMORI YUKIO

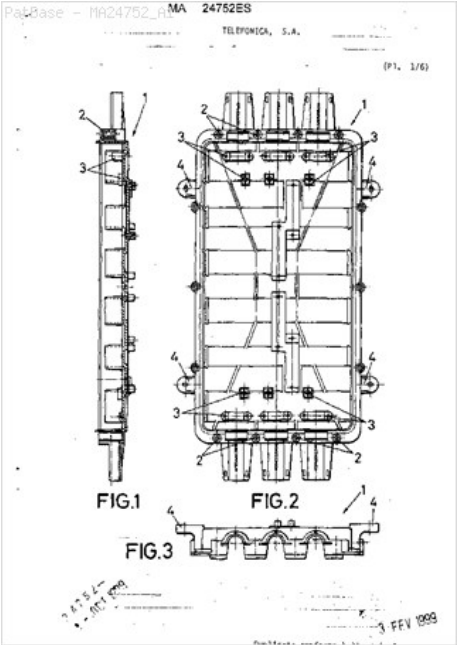
Inventor(s): KUSHAMA AKIRA

Title: CAJA DE EMPALME DE FIBRAS OPTICAS CON ENTRADAS OPUESTAS. JUNCTION BOX OPTICAL FIBERS WITH TICKETS OPPOSITE.
(Machine translation)

Abstract: Source: AR018059A El presente modelo de utilidad se refiere a una caja de empalme de fibras opticas con entradas opuestas, cuya finalidad es la de permitir albergar de forma adecuada, empalmes en linea entre fibras opticas, presentando en los discos de almacenamiento de fibras, unas aletas de proteccion retractiles, destinadas para proteger las fibras opticas propiamente dichas, y contando con las tapas de las bandejas sobre la zona de organizadores, incluyendo una ventana de visualizacion de dichos organizadores, con el objeto de permitir observar los empalmes realizados, asi como su pertinente identificacion, a la vez que presenta un hueco entre la base y la bandeja inferior del grupo de bandejas, donde mediante unas aletas y pinzas guia cables, se permite el almacenamiento de fibras en esta zona asi configurada, estando enclavado el bastidor de bandejas en la base, con el objeto de permitir ser facilmente extraido con todo el conjunto de las bandejas, a tenor de no estar atornillado.

Machine translation: This utility model relates to a junction box which combines optical fiber with opposite entrances, whose purpose is to allow hosting of fiber optic line between presenting in fiber disc storage fiber discs, protective flaps retractable, designed to protect optical fibers themselves, and with the tops of the trays on the area of organizers, including a window of visualization of those organizers, in order to enable watching the joints made, as well as their relevant identification, the while introducing a gap between the base and the lower tray group trays, where by fins and guide wire clamps are allowed storage of fibers in this area so configured, the frame being located at the base tray, to allow be easily removed with the entire set of trays, according to not be screwed.

Classifications:
International (IPC 8-9): G02B6/44 G02B6/50 H01R9/28 H02G3/16 H04B10/12 (Advanced/Invention);
G02B6/44 G02B6/46 H01R9/22 H02G3/16 H04B10/12 (Core/Invention)
International (IPC 1-7): G02B6/44 G02B6/50 H01R9/28 H02G3/16 H04B10/12



Family:

Publication number	Publication date	Application number	Application date
AR018059 A4	20011031	AR1999M100464U	19990204
BRMU7900307 U	20000404	BR1999MU00307U	19990204
ES1039475 UA	19981216	ES19980000300U	19980204
ES1039475 Y1	19990516	ES19980000300U	19980204
ES1039475 YA	19990516	ES19980000300U	19980204
MA24752 A1	19991001	MA19990025447	19990203
PE892000 Z	20000204	PE19990000083U	19990209
PT9517 U	19990831	PT19990009517U	19990204

Priority:

ES19980000300U 19980204

Probable Assignee: TELEFONICA NACIONAL ESPANA CO

Assignee(s): (std): TELEFONICA NACIONAL ESPANA CO ; TELEFONICA SA

Assignee(s): TELEFONICA S A ; TELEFONICA DE ESPANA S A ; TELEFONICA DE ESPANA SA

Inventor(s): (std): CORTIJO JESUS DIAZ ; DIAZ CORTIJO JESUS ; FERNANDEZ FERNANDEZ MANUEL ; FERNANDEZ MANUEL FERNANDEZ ; JESUS DIAZ CORTIJO ; MANUEL FERNANDEZ FERNANDEZ

Title: COMPOSITIONS FOR FLEXIBLE OPTICAL MEDIA DISCS

Abstract: Source: US2001048991A The present invention is related to flexible information-carrying substrates, such as optical media discs, which can withstand the stresses of being handled, processed and deformed, yet maintain enough integrity and properties such that it can still be read without the use of a rigid adapter.

Classifications:

International (IPC 8-9): B32B27/00 A41D13/00 A41D31/00 A43B13/14 A61F13/15 A61F13/49 A61F13/511 A61F13/514 A61F13/53 A61F5/44 A61L15/58 A61L15/60 B29C35/08 B32B27/24 C08F297/00 C08F297/04 C08F8/04 C08J5/00 C08J7/00 C08J9/12 C08K3/28 C08K3/32 C08K5/13 C08K5/16 C08K5/3492 C08L101/00 C08L23/08 C08L23/16 C08L51/00 C08L51/06 C08L53/00 C08L53/02 C09D153/02 D04B1/18 D04B21/16 D04H1/56 D04H3/16 D06L1/04 D06L3/00 D06L3/08 D06M10/00 D06M101/20 D06M11/00 D06M11/07 D06M11/30 D06M11/38 D06M11/40 D06M11/50 D06M13/08 (Advanced/Invention); A41D13/00 A41D31/00 A61F13/15 A61F5/44 C08J5/00 C08J7/00 C08L101/00 D04H3/16 D06M101/20 G01N33/36 (Advanced/Non-invention); A41D13/00 A41D31/00 A61F13/15 A61F5/44 A61L15/16 C08F8/00 C08J5/00 C08J7/00 C08J9/00 C08L101/00 C08L51/00 C08L53/00 D04H3/16 (Core/Invention); B32B C08F C08L (Subclass/Invention)

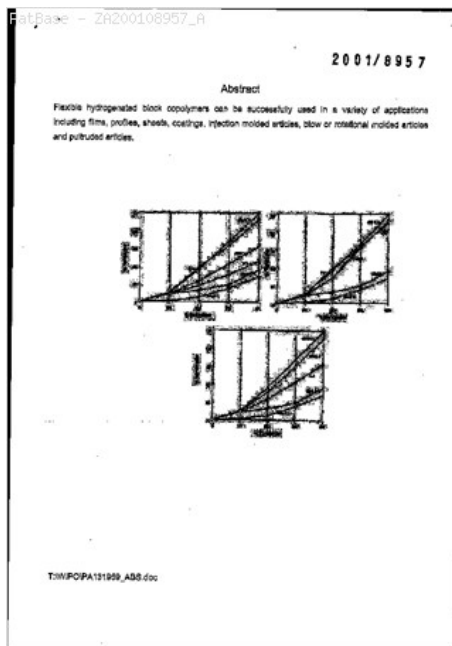
International (IPC 1-7): A41D13/00 A41D31/00 A43B13/14 A61F13/15 A61F13/49 A61F13/511 A61F13/514 A61F13/53 A61F5/44 A61L15/58 A61L15/60 B29C35/08 B32B B32B B32B15/00 B32B27/00 B32B27/24 B32B3/02 C08C19/02 C08F C08F236/10 C08F297/00 C08F297/04 C08F36/00 C08F8/00 C08F8/02 C08F8/04 C08F8/42 C08J3/00 C08J3/28 C08J5/00 C08J7/00 C08J9/12 C08K 5/16 C08K3/00 C08K3/32 C08K5/13 C08K5/16 C08K5/34 C08K5/3492 C08K5/41 C08L101/00 C08L23/08 C08L23/16 C08L51/00 C08L51/06 C08L53/00 C08L53/02 C25D1/00 D04H1/56 D04H3/16 D06L1/04 D06M10/00 D06M11/00 D06M11/30 D06M11/40 D06M11/50 D06M13/08 G11B5/66 **CPC:** D04B1/18 C08F297/04 C09D153/02 C09D153/025 A61F13/4902 D01F6/42 D01F6/56 D02G3/32 D03D15/08 Y10T428/2913 Y10T428/2915 Y10T428/2933 C08F8/04 Y10T428/12694 Y10T442/2861 D04B21/16 D06M11/30 D06M11/40 D06M11/50 D06M13/08 G01N33/36 C08L51/06 C08L53/025 D01F6/30

European: A61F13/49D2H C08F297/04 C08F8/04 C08L51/06 C08L53/02B C09D153/02 C09D153/02B D01F6/42 D01F6/56 D02G3/32 D03D15/08 D04B1/18 D04B21/16 D06M11/30 D06M11/40 D06M11/50 D06M13/08 S01N33/36

US: 264/488 428/364 428/365 428/375 428/64.2 428/64.200P 428/64.3 428/644 428/644S 428/848.9 428/848.900S 442/164 442/164P 522/112 522/153 522/154 522/157 522/158 522/159 522/160 522/161 522/161 522/75 522/75P 522/76 522/78 522/79 522/82 524/156 524/157 524/158 524/161 524/186 524/376 524/379 524/394 524/505 524/543 524/81 525/271 525/313 525/314 525/316 525/332.1 525/332.9 525/332.900P 525/333.3 525/338 525/338S 525/88 525/88P 525/88S 525/89 525/89S 525/92.00C 525/92.00R 525/92C 525/92R 525/93 525/93P 525/98 525/99 8/101 8/107 8/108.1 8/115.51 8/115.52 8/115.520P 8/115.6 8/115.69 8/115.690S 8/125 8/125S 8/142 8/142S 8/537 8/537S

Family:

Publication number	Publication date	Application number	Application date
AR024320 AA	20020925	AR2000P102842	20000607
AR024970 AA	20021030	AR2000P103897	20000727
AR025086 AA	20021106	AR2000P104114	20000809
AR025172 AA	20021113	AR2000P102843	20000607
AT265497 E	20040515	AT20000941131T	20000519
AT297443 E	20050615	AT20000936127T	20000519
AT510885 E	20110615	AT20000953757T	20000728
AU2000051488 A5	20010102	AU20000051488D	20000519
AU2000055881 A5	20010102	AU20000055881D	20000519
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AU2000066154 A5	20010219	AU20000066154D	20000728
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DE60020710 D1	20050714	DE20006020710	20000519
DE60020710 T2	20060316	DE20006020710T	20000519
EP1189988 A1	20020327	EP20000941131	20000519
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EP1198516 A1	20020424	EP20000936127	20000519
EP1198516 B1	20050608	EP20000936127	20000519
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EP1208157 B1	20110525	EP20000953757	20000728
EP128056 A1	20030205	EP20000953740	20000728
EP1299428 A2	20030409	EP20010932519	20010403
EP1485531 A1	20041215	EP20030714099	20030311
JP2003502470 T2	20030121	JP20010503941T	20000519
JP2003502471 T2	20030121	JP20010503942T	20000519
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JP2003534412 T2	20031118	JP20010587011T	20010403



JP2004501232 T2	20040115	JP20010582438T	20000728
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MY122276 A	20060429	MY20000003511	20000801
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TH50550 A	20020409	TH20001002792	20000727
TH54146 A	20021129	TH20001002896	20000802
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TWI272287 B	20070201	TW20000115014	20000729
TWI294939 B	20080321	TW20030105258	20030311
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WO0218491 A1	20020307	WO2001US10772	20010403
WO03078723 A1	20030925	WO2003US07592	20030311
ZA200108808 A	20021025	ZA20010008808	20011025
ZA200108957 A	20021030	ZA20010008957	20011030

Priority:

US19990139075	19990611	US19990139074P	19990611	US20000193313	20000330
US19990146008	19990728	US19990146008P	19990728	US19990139075P	19990611
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US20090472739	20090805	US20030507231	20030311	US20020308429	20021202
US20040507231	20040909	WO2003US07592	20030311		

Probable Assignee: DOW CHEMICAL CO

Assignee(s): (std): DOW GLOBAL TECHNOLOGIES INC ; DOW CHEMICAL CO ; DOW CHEMICAL INT CO LTD ; HO THOI H ; PATEL RAJEN M ; REID RONA L ; HAHN STEPHEN F ; ESNEAULT CALVIN P ; MAUGANS REXFORD A ; THE DOW CHEMICAL COMPANY ; CHUM PAK WING S ; DOW GLOBAL TECHNOLOGY INC ; DOW GLOBLE TECHNOLOGY ; DOW GLOBAL TECHNOLOGY CORP ; BATISTINI ANTONIO ; BENSASON SELIM ; WALSH LEONIE K ; USI CORP ; DOW GLOBAL TECHNOLOGIES LLC

Assignee(s): DONALD ROBERT J ; BHATTACHARJEE DEBKUMAR ; DOW EUROPE GMBH ; THE DOW CHEMICAL CO ; THE DOW GLOBLE TECHNOLOGY ; THE DOW GLOBAL TECHNOLOGY CORP ; MARTIN HENRI LUC ; JONES MARY ANN ; HAHNFELD JERRY L ; PARSONS GARY D ; PATE JAMES E ; PHIPPS LAURA M ; HOUCHENS KIMBERLY S

Inventor(s): (std): ANTONIO BATISTINI ; BATISTINI ANTONIO ; BENSASON SELIM ; BERGLUND CHARLES A ; BHATTACHARJEE DEBKUMAR ; CHUM P W S ; CHUM PAK WING S ; CHUM PAK WING STEVE ; DONALD J ; DONALD R J ; DONALD ROBERT J ; ESNEALT CALVIN P ; ESNEAULT CALVIN ; ESNEAULT CALVIN P ; ESNEAULT P ; HAHN F ; HAHN S F ; HAHN STEPHEN ; HAHN STEPHEN F ; HAHNFELD J L ; HAHNFELD JERRY L ; HAHNFELD L ; HO THOI ; HO THOI H ; HOI THOI H ; HOUCHENS KIMBERLY S ; JONES MARY ANN ; PARSONS D ; PARSONS G D ; PARSONS GARY D ; PATE E ; PATE III JAMES E ; PATE JAMES E ; PATE JAMES E III ; PATEL M ; PATEL R M ; PATEL RAJEN ; PATEL RAJEN M ; PATEL RAJEN M AND ; PHIPPS LAURA M ; PHIPPS M ; RAJEN M PATEL ; LEIBIG CORA M ; LEONIE HOUCHENS KIMBERLY S HO ; MARTIN HENRI LUC ; MAUGANS REXFORD ; MAUGANS REXFORD A ; P WS CHUM ; PAK WING S CHUM ; REID RONA L ; REXFORD A MAUGANS ; RJ DONALD ; RM PATEL ; ROBERT J DONALD ; WALSH LEONIE ; WALSH LEONIE K ; LEONIE K WALSH ; LAURA M PHIPPS ; JL HAHNFELD ; JERRY L HAHNFELD ; JAMES E PATE ; GD PARSONS ; GARY D PARSONS ; DEBKUMAR BHATTACHARJEE ; CHUM PAK WING ; CALVIN P ESNEAULT ; CALVIN P ESNEALT ; RONA L REID ; SELIM BENSASON ; SF HAHN ; STEPHEN F HAHN ; THOI H HO

Inventor(s): THOI H HOI ; SELLM BENSASON ; R M PATEL ; R J DONALD ; PATE ; P W S CHUM ; J L HAHNFELD ; III JAMES E ; G D PARSONS ; S F HAHN ; PAK-WING S. CHUM ; MAUGANS REXFORD A AND ; MARY ANN JONES ; M RAJEN M PATEL ; REID RONA ; KIMBERLY S HOUCHENS ; L RONA L REID ; HOUCHENS KIMBERLY S HO THOI H PATEL RAJEN M REID R ; JAMES E PATE III ; HENRI LUC MARTIN ; H THOI H HO ; CORA M LEIBIG ; CHARLES A BERGLUND

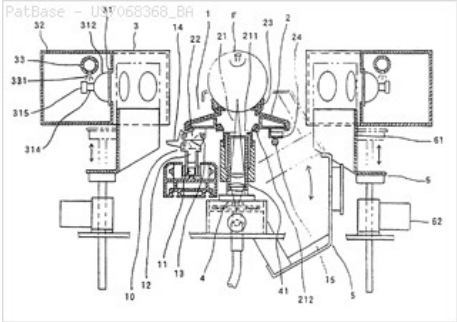
Agent(s): PHILLIPS ORMONDE FITZPATRICK; SMART AND BIGGAR; RAYNOR JOHN; THE DOW CHEMICAL COMPANY, INTELLECTUAL PROPERTY SECTION; DOW CHEMICAL CO INTELLECTUAL PROPERTY SECTION; THE DOW CHEMICAL COMPANY; DOW CHEMICAL CO

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

Title: TWO-SIDE MULTIPLE LAMP ONLINE INNER PART INSPECTION APPARATUS

Abstract: Source: US7068368B An internal qualities inspection system having a receiving **tray** for placing an inspecting object thereon with a receiving seat and a transmission light passage formed in the receiving **tray** is arranged to detect light transmitted through the object from below the receiving **tray**. The inspection system is capable of efficiently detecting the transmission light from inside of each of inspecting objects of varied shapes and varied kinds by adjusting the quantity of light projected on the object according to its size and kind. The system includes in combination a light receiving part and a calibration arrangement which are not affected by any disturbance light to ensure a highly reliable measuring accuracy. In the system, a light projecting part is arranged to project light on the inspecting object from many lamps from both the right and left sides of a transport path; the light receiving part has a light reducing filter arranged between a condenser lens and a spectrometer to adjust the quantity of light incident on the spectrometer; and calibration is made by retractably moving a white level calibrating plate forward to cover the upper surface of each of empty receiving **trays** when more than a predetermined number of empty receiving **trays** consecutively travel.

Classifications:
International (IPC 8-9): G01J3/28 G01N21/27 G01N21/31 G01N21/47 (Advanced/Invention); G01N21/27 (Advanced/Non-invention); G01J3/28 G01N21/25 G01N21/31 G01N21/47 (Core/Invention)
International (IPC 1-7): G01N G01N21/27 G01N21/47
CPC: Y10S250/91 G01N2021/8466 G01N21/31 G01N21/27
European: G01N21/27 G01N21/31
US: 209/577 250/223R 250/910 356/310 356/326 356/330



Family:

Publication number	Publication date	Application number	Application date
AT356986 E	20070415	AT20000961163T	20000921
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DE60033946 T2	20071206	DE20006033946T	20000921
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EP1215480 A4	20030423	EP20000961163	20000921
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Priority:
JP19990271151 19990924 WO2000JP06477 20000921 KR20027003451 20020315

Probable Assignee: KABUSHIKIKAISHA KAJITSUHIHAKAIHINSHITSUKENKYUJO

Assignee(s): (std): KABUSHIKIKAISHA KAJITSUHIHAKAIHINSHITSUKENKYUJO ; NAGAYOSHI ATSUIHIRO ; MAEDA HIROMU ; KAJITSUHIHAKAI HINSHITSU KENKYU ; KAJITSU HIHAKAI HINSHITSU KENK ; KAJITSUHIHAKAI HINSHITSU KENKYUO KK ; KAJITSUHIHAKAIHINSHITSUKENKYUJ ; KABUSHIKIKAISHA KAJITSUHIHAKAI

Assignee(s): KABUSHIKIKAISHA KAJITSUHIHAKAIHINSHITSU KENKYUJO ; K K KAJITSUHIHAKAI HINSHITSU KENKYUJO ; KABUSHIKI KAISHA KAJITSU HIHAKAI HINSHITSU KENKYUJ ; KABUSHIKI KAISHA KAJITSU HIHAKAI HINSHITSU KENKYUO KOSAI ; KABUSHIKI KAISHA KAJITSUHIHAKAIHINSHITSUKENKYUO KOSAI ; KAJITSU HIHAKAI HINSHITSU KENKYUO KOSAI KK ; KAJITSUHIHAKAIHINSHITSUKENKYUO KOSAI KK

Inventor(s): (std): ATSUIHIRO NAGAYOSHI ; HIROMU MAEDA ; MAEDA HIROMU ; NAGAYOSHI ATSUIHIRO

Agent(s): DR YITZHAK HESS AND PARTNERS; REED SMITH LLP

Designated states: AT AU BE CH CN CY DE DK ES FI FR GB GR IE IL IT JP KR LI LU MC NL NZ PT SE TR US

Title: TUBULAR ELECTRO-LUMINESCENT PANEL(S) LIGHT DEVICE

Abstract: Source: US2003231485A A tubular Electro-Luminescent panel(s) light device offer a desired bending directions with super brightness basing on certain width of panel incorporated proper inverter system. The said panel(s) with much narrow width than tube means to allow the panel(s) can be bend at any direction and angle within the tube means to offer a desired light effects. The said panel(s) can be flat or twisted within the tube means which may have the desired colored, transparency, wall thickness, diameter, shape, length for requirement. The said device may incorporated with non-elastic means, magnetic means, tube holder, sensor means, Integrated circuit to add a lot of desired variety features.

Classifications:

International (IPC 8-9): A41D27/08 A42B1/24 A43B3/00 A45C15/06 B60Q1/26 B60Q3/02 B60R11/00 B60R13/00 F21K2/00 F21K9/00 F21L14/00 F21L4/00 F21L4/02 F21L4/08 F21S10/00 F21S10/06 F21S2/00 F21S4/00 F21S6/00 F21S8/00 F21S8/08 F21S9/02 F21V1/00 F21V1/10 F21V11/00 F21V13/00 F21V13/02 F21V14/00 F21V14/02 F21V14/06 F21V14/08 F21V15/01 F21V17/00 F21V17/02 F21V19/00 F21V19/02 F21V21/00 F21V21/005 F21V21/08 F21V21/092 F21V21/14 F21V21/22 F21V21/26 F21V21/30 F21V23/00 F21V23/02 F21V23/04 F21V23/06 F21V29/00 F21V29/70 F21V3/00 F21V3/02 F21V31/00 F21V33/00 F21V5/04 F21V7/00 F21V7/04 F21V8/00 F21V9/00 F21V9/16 G01J5/00 G01S3/786 G02B27/22 G02F1/13 G02F1/1335 G02F1/13357 G03B1/00 G03B15/03 G03B19/18 G03B21/00 G03B21/14 G03B21/20 G03B23/00 G03B3/00 G03H1/22 G04B19/04 G04B19/30 G04B37/12 G04B47/00 G04C10/00 G04C19/00 G04G99/00 G06F1/26 G06K9/00 G06T7/00 G06T7/20 G08B13/24 G09F13/18 G09F13/22 G09F23/00 G09F9/33 H01L21/00 H01L21/68 H01R11/00 H01R13/66 H01R25/00 H01R27/00 H01R3/00 H01R33/00 H01R33/009 H01R39/00 H02G3/14 H02J4/00 H02J7/00 H02J7/02 H02M1/00 H04N5/225 H04N5/232 H04N5/247 H04N5/33 H04N7/18 H04N9/31 H05B33/08 H05B37/02 H05B41/30 (Advanced/Invention); B60R13/02 F21S2/00 F21V1/10 F21V21/22 F21V21/29 F21V21/30 F21V23/04 F21V33/00 F21V8/00 F21V9/08 F21W121/00 F21Y101/02 G02B5/32 H01H9/18 H01J7/44 H01R103/00 H01R13/713 H01R24/76 (Advanced/Non-invention); A42B1/00 A43B3/00 A45C15/00 B60Q3/00 B60R11/00 B60R13/00 F21L4/00 F21S4/00 F21V1/00 F21V17/00 F21V21/00 F21V21/005 F21V21/08 F21V21/14 F21V23/00 F21V23/04 F21V3/00 F21V33/00 G03B21/00 G03B21/14 G09F13/22 H01R3/00 H01R33/00 H05B37/02 (Core/Invention); B60R13/02 G02B5/32 (Core/Non-invention)

International (IPC 1-7): F21V21/00 F21V21/08 F21V9/16 G01D11/28 G02B6/04 H01J1/62 H01R11/00 **CP:** A42B1/242 A41D27/085 A42B1/244 A43B1/0036 A43B3/0005 A45C15/06 B60Q1/26 B60Q3/0289 F21S2/00 F21Y2105/00 G09F13/22 F21V9/08 F21V21/08 F21V21/14 F21V21/30 F21V23/0492 F21W2121/00 Y10S362/80 H05B33/0803 F21S10/06 F21V1/10 G09F9/33 G09F19/12 H05B37/0245 F21V19/00 F21V19/0015 F21V19/003 G03B15/03 H05B37/0218 H05B37/0236 Y02B20/42 G03B21/2046 G03B23/00 F21V33/006 G02B6/0021 G02B6/0045 G09F23/00 H01H2009/186 H02G3/14 H01R33/09 A61L9/03 A61L2209/12 F21K9/135 Y10S362/806 A43D999/00 B60R11/00 B60R13/00 B60R2011/0063 B60R2013/0287 G02B6/0008 G02B6/001 F21S10/00 F21V9/00 F21V9/12 F21Y2103/00 F21Y2103/025 F21Y2111/00 H04M1/05 H04M1/6058 F21S10/066 F21V23/0407 H05B33/0857 A43C9/02 F21K9/13 F21K9/58 F21V29/20 F21W2131/30 F21V19/02 F21V1/00 F21V3/00 H01R33/06 F21V23/045 F21V5/048 F21V7/0066 F21V29/70 G03B21/2086 Y10T307/406 H04N5/2256 H04N5/247 G06T7/004 G06T2207/30232 F21Y2111/007 F21S9/02 H05B33/0842 F21S10/007 F21V21/04 F21V14/006 F21V14/006 F21V17/02 G04B19/30 G06F1/266 H02J4/00 H02J7/0042 H02J7/0052 H02J7/007 F21S2/005 F21S8/038 F21S10/002 F21V14/02 F21V21/29 F21V29/00 F21L4/00 A41G1/005 F21L2001/00 F21Y2101/025 F21S4/28 Y02B10/30 F21S4/10 F21S4/20 F21V23/0471 G01S3/7864 H04N5/2252 A43B3/001 G03B21/20 F21Y2113/005 H04N7/183 F21V3/026 F21V14/08 H04N7/181 F21V23/0442 F21V23/023 F21V33/0048 H01R33/92 F21S9/022 F21V23/04 F21V33/0052 F21S6/003 H01R13/6675 F21K9/50 H04N5/23241 F21V23/005 F21V21/092 G09F13/18 F21S10/02 G09F23/04 G09F2013/222 H05B33/08 F21V23/06 F21K9/30 F21V15/01 F21V23/02 F21V33/00 F21V33/0024 F21V33/0056 H01R13/6691 H01R13/713 H01R24/76 H01R25/006 H01R2103/00 F21V14/06 F21V23/004 H02J7/022 H0212007/0062 F21V13/02 H0217/0045 H02J7/027 G04G99/00 H04N5/2258 G06K9/00369 G06K9/00771 G06T7/20 G01J5/0025 G08B13/2491 F21V33/0004 F21V2101/02 G03B21/006 G02B27/22 G03B35/24 F21S8/035 F21V21/22 F21V23/00 G03B21/142

European: A41D27/08B A41G1/00B8 A42B1/24B A43B1/00C10 A43B3/00E A43B3/00E10 A43D999/00 A45C15/06 A61L9/03 B60Q1/26 B60Q3/02Q B60R11/00 B60R13/00 F21K9/00 F21K9/135 F21S10/00 F21S10/00A F21S2/00 F21S4/00E F21S4/00L F21S4/00L6 F21S8/03G1 F21S8/03T F21S9/02 F21S9/02E F21V14/02 F21V21/08 F21V21/14 F21V23/04 F21V29/00 F21V33/00A F21V9/00 F21V9/08 F21V9/12 G02B27/22 G02B6/00L4E G02B6/00L4L G02B6/00L604S G03B21/00 G03B21/20 G03B35/24 G09F13/22 G09F19/12 G09F23/00 G09F9/33 H01R13/66D10 H01R25/00D H01R33/06 H01R33/09 H02G3/14 H04M1/05 H04M1/6072B H05B33/08D K61L209/120 L60R11/00R4A15 L60R13/02R R21S10/06 R21S2/00A R21S8/03G1 R21V1/10 R21V21/22 R21V21/29 R21V21/30 R21V23/04S R21V23/04S8 R21V33/00B R21V9/08 R21W121/00 R21W131/109 R21Y101/02 R21Y103/00 R21Y103/025 R21Y105/00 R21Y111/00 S02B6/00L614S4 T01H9/18E T01R103/00 T01R13/66D10 T01R13/713 T01R24/76 Y02B10/30

US: 29/595 29/825 307/31 313/498 313/511 313/512 315/155 315/160 315/250 315/287 315/314 315/317 315/32 315/86 340/472 348/142 348/143 348/151 348/159 348/169 348/207.1 348/372 348/373 348/744 348/E5.024 348/E5.026 348/E5.043 348/E5.09 348/E7.085 348/E9.025 349/5 349/62 352/133 353/10 353/101 353/103 353/119 353/122 353/43 353/7 353/85 353/87 353/95 359/15 359/32 362/101 362/103 362/104 362/108 362/109 362/145 362/149 362/157 362/158 362/183 362/184 362/186 362/190 362/20 362/219 362/221 362/225 362/23 362/23.01 362/23.19 362/231 362/234 362/235 362/238 362/241 362/249 362/249.01 362/249.02 362/249.03 362/249.06 362/249.07 362/249.09 362/249.11 362/249.12 362/250 362/251 362/253 362/257 362/259 362/267 362/269 362/276 362/277 362/280 362/281 362/285 362/294 362/295 362/296.01 362/298 362/3 362/311 362/311.02 362/311.03 362/311.13 362/338 362/34 362/35 362/362 362/369 362/372 362/375 362/382 362/390 362/394 362/397 362/404 362/421 362/427 362/457 362/487 362/555 362/562 362/565 362/603 362/640 362/641 362/642 362/643 362/644 362/645 362/646 362/647 362/648 362/659 362/8 362/800 362/806 362/84 362/85 362/86 362/87 362/88 362/92 362/95 362/96 363/178 368/10 368/223 368/227 368/242 368/278 368/67 368/80 368/82 368/84 396/155 439/11 439/131 439/165 439/31 439/490 439/502 439/536 439/6 439/638 439/8 713/300

Family:

Publication number	Publication date	Application number	Application date
US2003231485 AA	20031218	US20020170584	20020614
US2003231486 AA	20031218	US20020286820	20021104
US2003231487 AA	20031218	US20020286871	20021104
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Probable Assignee: TORMACH LLC

Assignee(s): (std): CHIEN TAENG LU ; CHIEN TSENG L ; CHIEN TSENG LU ; TORMACH LLC

Inventor(s): (std): CHIEN TAENG LU ; CHIEN TSENG L ; CHIEN TSENG LU

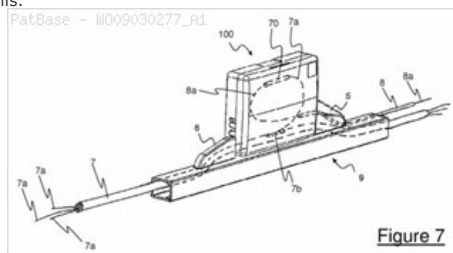
Inventor(s): CHIEN TSENG

Agent(s): BACON AND THOMAS PLLC; ROBERT

Abstract: It is disclosed an optical transition box assembly comprising an optical transition box, the optical transition box comprising a base and a cover. The base comprises two sidewalls. Each of the two sidewalls has a first opening allowing an in-line optical cable to enter the base and to exit said base. The optical transition box assembly further comprises a cable protection cover removably engageable with the base and, when engaged with the base, suitable to cover the first opening of one of the two sidewalls.

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

European: G02B6/44C8A2K G02B6/44C8A6 S02B6/44C8Z1



Publication number	Publication date	Application number	Application date
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Probable Assignee: PRYSMIAN CABLES AND SYSTEMS LTD

Assignee(s): (std): GRIFFITHS IAN : LE DISSEZ ARNAUD : PRYSMIAN CABLES AND SYSTEMS LTD

Assignee(s): PRYSMIAN CABLES AND SYSTEMS LIMITED

Inventor(s) (std): DISSEZ ARNAUD LE : GRIFFITHS IAN : LE DISSEZ ARNAUD

Inventor(s): ARNAUD LE DISSEZ : IAN GRIFFITHS

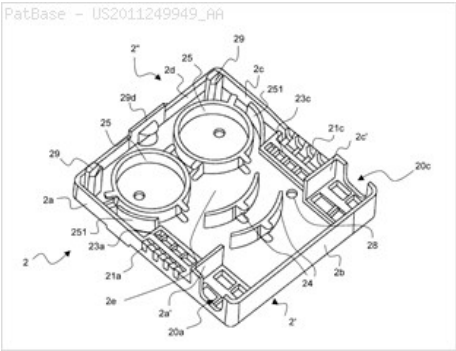
Agent(s): DAVIES COLLISON CAVE; COLOMBO STEFANO PAOLO; COLOMBO STEFANO PAOLO ET AL

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

Title: ASSEMBLY FOR INSTALLING AN OPTICAL ACCESS NETWORK

Abstract: Source: US2011249949A An assembly for installing an optical access network includes at least one in-line optical cable and a drop cable. The assembly includes a duct suitable for housing the at least one in-line optical cable and an optical transition box for snaking an optical connection between the at least one in-line optical cable and the drop cable. The duct has a window. The optical transition box has a base with two sidewalls. Each of the two sidewalls has a first opening allowing the in-line optical cable to enter and exit the base. The base is suitable for being partially inserted in the duct through the window in such a way that, when the base is partially inserted in the duct, the first opening is contained within the duct.

Classifications:
International (IPC 8-9): B23P11/00 G02B6/00 G02B6/44 G02B6/46 (Advanced/Invention); G02B6/44 (Core/Invention)
CPC: Y10T29/49826 G02B6/4441 G02B6/4454 G02B6/4459
European: G02B6/44C8A2 G02B6/44C8A6S G02B6/44C8D
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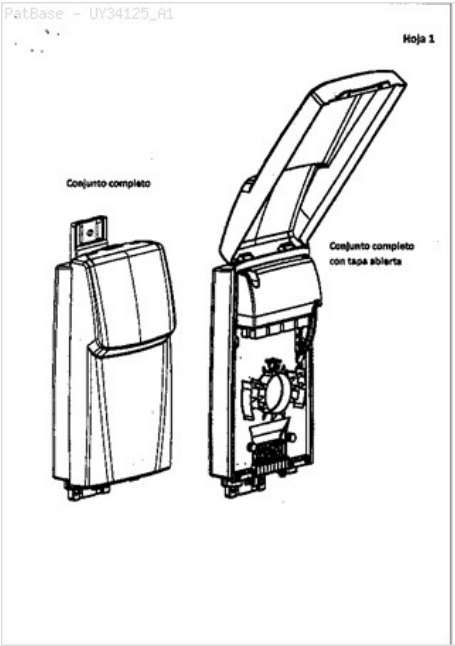


Title: MEJORAS EN GABINETES Y DISPOSITIVOS TERMINALES DE ACCESO Y CONEXION DE REDES DE FIBRA OPTICA

Abstract: Scan Fig 1 (2 dibujos)

Classifications:

International (IPC 8-9): A47B1/00 G02B6/24 G02B6/255 G02B6/26 G02B6/44
H01R9/03 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
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UY34125 A1	20131231	UY20120034125	20120613

Priority:

UY20120034125 20120613

Probable Assignee: EDUARDO MARCOTEGUI Y CAHORS LATINOAMERICA MATERIAL ELECTRICO S A

Assignee(s): (std): CAHORS LATINOAMERICA MATERIAL ELECTRICO S A ; EDUARDO MARCOTEGUI Y CAHORS LATINOAMERICA MATERIAL ELECTRICO S A ; MARCOTEGUI EDUARDO

Assignee(s): EDUARDO MARCOTEGUI Y CAHORS LATINOAMERICA MATERIAL ELECTRICO SA ; CAHORS LATINOAMERICA MATERIAL ELECTRICO SA ; EDUARDO MARCOTEGUI

Inventor(s): (std): EDUARDO MARCONTEGUI ; ERCOLINO JUAN CARLOS ; MARCOTEGUI EDUARDO

Inventor(s): JUAN CARLOS ERCOLINO ; MARCONTEGUI EDUARDO ; EDUARDO MARCOTEGUI

Agent(s): JAIME EDUARDO DELGADO VILLEGAS

Title: CAJA COMPACTA MODULAR PARA EMPALME, DERIVACION Y CONECTORIZACION DE FIBRA OPTICA EN MARCOS DE DISTRIBUCION
COMPACT MODULAR JUNCTION **BOX**, referral and CONNECTORS fiber optic distribution frames (Machine translation)

Abstract: Source: CO7490011U Resumen La presente invencion pertenece al area de las telecomunicaciones y mas particularmente, se relaciona con sistemas para empalmes y proteccion para empalmes de cables de transmision de datos. La caja compacta modular esta compuesta por un envoltente conformado por una caja (19 una tapa removible (4) y una ventana (59, un sistema organizador compuesto por una bandeja deslizante (3) con unos rieles (12), una bandeja para fibra optica (9), unas regletas para soporte de adaptadores (11), unas chapas anti traccion (14) y una cadena de transporte y proteccion (2); tambien unos sistemas de fijacion como los pines de cierre de tapa (6), los soportes de ventana (7), enrutadores (8), uno de los pines para ensamble de la regleta (10)y los angulos de fijacion (13). Summary This invention is in the area of telecommunications and more particularly relates to systems for joints and protection for cable splices data transmission. The modular compact housing is composed of a casing formed by a casing (19 a removable lid (4) and a **window** (59, an organizer system comprising a sliding **tray** (3) with a rail (12), a **tray for optical fiber** (9), a support strips for adapters (11), a traction anti plates (14) and a chain of transport and protection (2); also fastening systems and pins closing lid (6), supports **window** (7), routers (8), one of the pin assembly strip (10) and the mounting brackets (13).

Classifications:
International (IPC 8-9): F28F9/04 H01R12/00 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
CO7490011 U1	20160115	CO20150303151U	20151221

Priority:
CO20150303151U 20151221

Probable Assignee: SILVER LIMITADA

Assignee(s): (std): SILVER LIMITADA

Inventor(s): (std): CASTILLO GOMEZ JOSE MAURICIO ; GARZON ROMERO DANIELA ; PLATA MURCIA ORLANDO