

Search history

Search 1: STAC=(receptacle and socket) and PD<20150820 (Results 11978)

Search 2: AB=(receptacle and socket*) and FT=(retractable and electric* and pivot*) (Results 39)

Search 3: TI=(receptacle or socket*) and FT=(retractable and electric* and pivot*) (Results 204)

Search 4: TI=((receptacle or socket* or (electric* w1 (box or device or assembly))) and SP=(retractable and pivot*) (Results 135)

Search 5: (receptacle or socket*) and pivot* (Results 391378)

Search 6: TI=((receptacle or socket*) and pivot*) (Results 391)

Search 7: TI=((receptacle or socket*) and pivot*) and FT=(electric* and open* and close* and recess*) (Results 43)

Search 8: TI=((receptacle or socket*) and electric*) and FT=(electric* and open* and close* and recess* and socket* and pivot*) (Results 543)

Search 9: TI=((receptacle or socket*) and electric*) and FT=(electric* and open* and close* and recess* and socket* and pivot* and multi* and retractable*) (Results 13)

Search 10: TI=((receptacle or socket*)) and FT=(electric* and open* and close* and recess* and socket* and pivot* and multi* and retractable*) (Results 43)

Search 11: TI=(recess* and (receptacl* or socket*)) (Results 331)

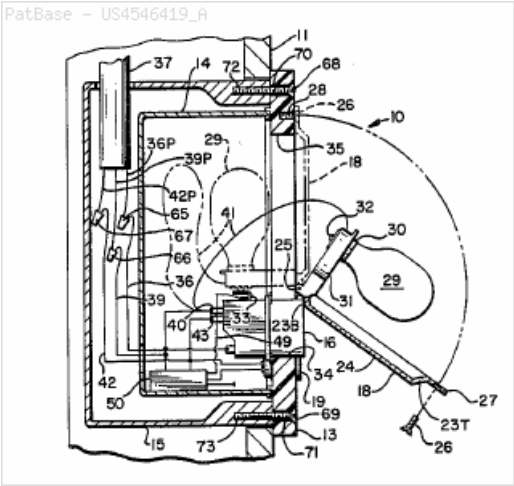
Search 12: TI=(recess* and (receptacl* or socket*)) and FT=(electric* and open* and close*) (Results 64)

Title: Wall **receptacle recessed** box contained light intensity on/off controlled night light system

Abstract: A wall **recessed receptacle** box contained night light with a photocell light intensity dusk-dawn (or room illumination) on/off switch control equipped with manual dimming control for a darker/brighter night light atmosphere. The night light box is insertable in a **recessed** box in the wall otherwise used for a normal **receptacle** outlet and includes at least one plug in **receptacle** with the light translucent or transparent cover **close** to flush with the wall in the **recessed** night light box. The night light has an internal light bulb that may be easily replaced by removing a retaining screw at the top of the cover so that the bottom hinge mounted cover may be pivoted out and down to not only expose the bulb to be replaced but also automatically simultaneously disconnect the **electric** supply from the bulb **socket** and eliminate power from the bottom of the bulb in the **socket** for safety.

Classifications:

International (IPC 8-9): F21S8/00 F21V19/04 F21V23/04 F21V25/04 (Advanced/Invention);
F21V19/04 F21V25/00 (Core/Invention)
International (IPC 1-7): F21V33/00
CPC: F21V19/04 F21S8/02 F21S8/024 F21V23/04 F21V25/04
European: F21S8/02 F21S8/02G F21V19/04 F21V23/04 F21V25/04
US: 200/310 315/156 362/95



Family:

Publication number	Publication date	Application number	Application date
US4546419 A	19851008	US19840668145	19841105

Priority:

US19840668145 19841105

Probable Assignee:

JOHNSON KELLI J

Assignee(s): (std):

JOHNSON KELLI J

Inventor(s): (std):

JOHNSON KELLI J

Title: **ELECTRICAL** CONNECTION DEVICE

Abstract: A connection device consisting basically of a **socket** member (1) exhibiting a termination area (2) for the connection of an **electric** cable and a contact area (4) joined to it by means of a base (1a), the contact area being in the form of tines and intended to receive and hold a mating pin (3), and of a separate driver member (5) in the form of a **closed** ring which is preferably manufactured of heat recoverable material. In order to create an **electrical** connection device where the driver member being retained against the contact area, creates both a mechanical force and keyed-in connection between the **socket** member and the mating pin when in its second functional position, a **recess** which is at least partial formed into the mating pin, and the tines and driver member are formed and positioned relative to each other in such a way that the driver element partially fits into the **recess** when in its second functional position. In addition, when using a driver member of heat recoverable material, it is advantageous if at least one locking element is provided which prevents unwanted actuation of the driver element when locked, while permitting appropriate actuation when released.

Classifications:

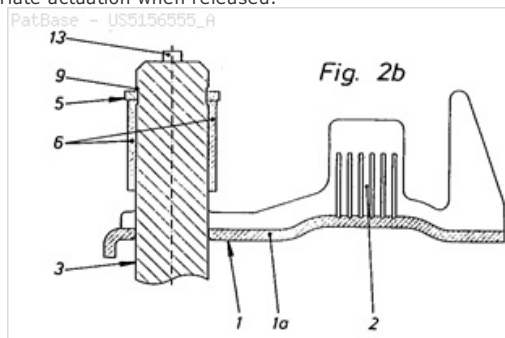
International (IPC 8-9): H01R13/03 H01R13/18 H01R13/193
H01R4/01 H01R4/18 H01R4/58 (Advanced/Invention);
H01R13/02 H01R13/03 H01R13/15 H01R4/01 H01R4/10
H01R4/58 (Core/Invention)

International (IPC 1-7): H01R13/03 H01R13/15 H01R13/18
H01R13/193 H01R13/20 H01R13/639 H01R4/18 H01R4/58
H01R43/16

CPC: H01R4/01 H01R13/18

European: H01R13/18 H01R4/01 T01R4/01

US: 439/161 439/839



Family:

Publication number	Publication date	Application number	Application date
BRPI9103673 A	19920519	BR1991PI03673	19910822
DE4026644 C1	19910725	DE19904026644	19900823
DE4123116 C1	19920617	DE19914123116	19910712
EP0475138 A1	19920318	EP19910114023	19910821
EP0475138 B1	19941228	EP19910114023	19910821
ES2069145 T3	19950501	ES19910114023T	19910821
JP2690636 B2	19971210	JP19910211138	19910822
JP6084561 A2	19940325	JP19910211138	19910822
US5156555 A	19921020	US19910746638	19910819

Priority:

DE19904026644 19900823 DE19914123116 19910712

Probable Assignee: LEOPOLD KOSTAL GMBH AND CO 5880 LUEDENSCHEID DE KG

Assignee(s): (std): KOSTAL LEOPOLD GMBH AND CO KG ; BAYERISCHE MOTOREN WERKE AG

Assignee(s): BAYERISCHE MOTOREN WERKE AG 8000 MUENCHEN DE ; BAYERISCHE MOTOREN WERKE AKTIENGESellschaft ; BAYERISCHE MOTOREN WERKE AG ; LEOPOLD KOSTAL GMBH AND CO A OF GERMANY WIESENSTR ; LEOPOLD KOSTAL GMBH ; LEOPOLD KOSTAL GMBH AND CO ; LEOPOLD KOSTAL GMBH AND CO KG ; LEOPOLD KOSTAL GESELLSCHAFT MIT BESCHRANKTER HAFTUNG AND COMPAGNIE KOMMANDITGESELLSCHAFT ; LEOPOLD KOSTAL GMBH AND CO 5880 LUEDENSCHEID DE KG ; LEOPOLD KOSTAL GES MIT BESCHRANKTER HAFTUNG AND COMP KG ; REOPORUTO KOSUTAAL GMBH AND CO KG ; LEOPOLD KOSTAL GMBH AND CO KG 5880 LUEDENSCHEID DE

Inventor(s): (std): ALBIEZ ROBERT ; FEKONJA RUDOLF ; GROBMAIR MAXIMILIAN ; GROEBMAIR MAXIMILIAN ; KRAPPEL ALFRED ; ARUFUREETO KURATSUPERU ; GEORUGU SHIYUREEDERU ; MAKUSHIMIRIAN GUREEBUMAIERU ; MOHS WOLFGANG ; SCHROEDER GEORG ; UORUFUGANGU MOOSU ; ROOBERUTO ARUBIITSU ; RUUDORUFU FUEKONYA ; SCHRODER GEORG

Inventor(s): ROBERT ALBIEZ ; RUDOLF FEKONJA ; WOLFGANG MOHS ; MOHS WOLFGANG 5750 MENDEN DE ; SCHROEDER GEORG 5962 DROLSHAGEN DE ; MAXIMILIAN GROBMAIR ; ALFRED KRAPPEL ; KRAPPEL ALFRED 8045 ISMANING DE ; GROEBMAIR MAXIMILIAN 8157 DIETRAMSZELL DE ; FEKONJA RUDOLF 8000 MUENCHEN DE ; ALBIEZ ROBERT 8077 REICHERTSHOFEN DE

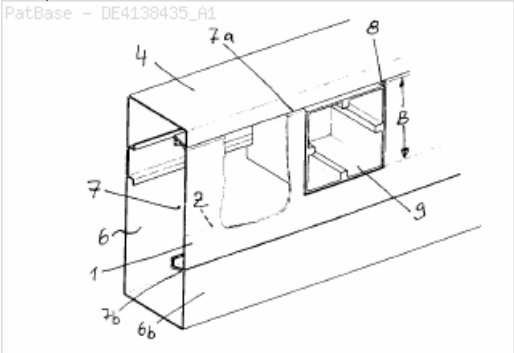
Designated states: ES FR GB IT SE

Title: Forming inbuilt **recesses** for appts. **sockets** in channels, e.g. in **electrical** installation conduits - providing perforations around covers with groove-spring coupling over **openings** in built in installation channels

Abstract: **Recesses** are formed for built-in containers (9) in installation channels (6). The channels (6) have longitudinal **openings** (7) which can be **closed** by covers (1) insertable in the **openings** (7). Perforations, tear lines or fracture lines (Z) are formed in the covers (1) or in the walls (6b) of the channels (6) defining one side of the **opening** (7) and lying in its plane. The perforations or tear lines (Z) are spaced at a distance (B) from an outer long edge (1a) of the cover (1) or an inner long edge (7a,7b) of the **opening** (7). The perforations (Z) run perpendicular or parallel to these edges (1a or 7a, 7b). **ADVANTAGE** - Can be easily adapted to different device models or colours, etc.

Classifications:

International (IPC 8-9): E04F17/08 H02G3/12 (Advanced/Invention);
E04F17/00 H02G3/12 (Core/Invention)
International (IPC 1-7): E04F17/08 H02G3/28
CPC: E04F17/08 H02G3/128
European: E04F17/08 H02G3/12G



Family:

Publication number	Publication date	Application number	Application date
DE4138435 A1	19930527	DE19914138435	19911122

Priority:

DE19914138435 19911122

Probable Assignee: NIEDAX GMBH

Assignee(s): (std): NIEDAX GMBH

Assignee(s): NIEDAX GMBH AND CO KG GESELLSCHAFT FUER VERLEGUN ; NIEDAX GMBH AND CO KG GESELLSCHAFT FUER VERLEGUNGSMATERIAL 5460 LINZ DE

Inventor(s): (std): SCHNEIDER ANDREAS

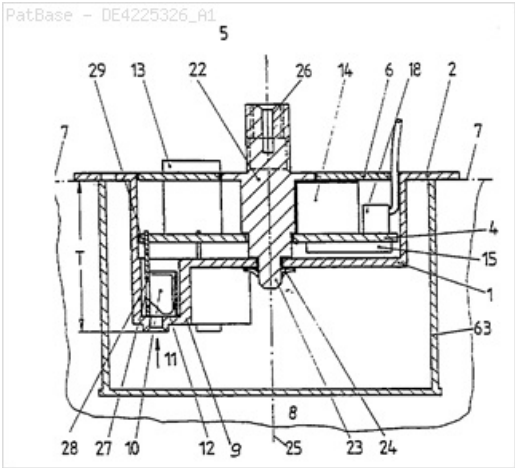
Inventor(s): SCHNEIDER ANDREAS 5461 BRUCHHAUSEN DE

Title: Connector for **electrical** load supply from wall **socket** outlet - has circuit elements and electronic components with control line connections mounted on PCB **recessed** into **socket**

Abstract: The device, designed to be buried in wall plaster (8), is fixed to an installation box (63) by means of the supporting ring (2) of plastics material. A central PCB (4) has upstanding structures (9) on the inside for connection and looping of mains wiring and terminal blocks (13) on the outside for wiring to loads. Relays (14) and a bus interface (18) are mounted on the outside of the PCB with an electronic control circuit (15) on the inside. A tension-relief device (22) plugged (23) into the housing (1) is rotatable about its longitudinal axis (25). **USE/ADVANTAGE** - For heaters in domestic or business premises, simple structure taking up little space.

Classifications:

International (IPC 8-9): H02G3/16 H02J13/00 (Advanced/Invention);
H02G3/16 H02J13/00 (Core/Invention)
International (IPC 1-7): H02G3/16 H02J13/00
CPC: H02G3/16 H02J13/0055
European: H02G3/16 H02J13/00F4B3



Family:

Publication number	Publication date	Application number	Application date
DE4225326 A1	19940210	DE19924225326	19920731
DE4225326 C2	19940714	DE19924225326	19920731

Priority:

DE19924225326 19920731

Probable Assignee: EBERLE GMBH

Assignee(s): (std): EBERLE GMBH

Assignee(s): EBERLE GMBH 90491 NUERNBERG ; EBERLE GMBH 90491 NUERNBERG DE

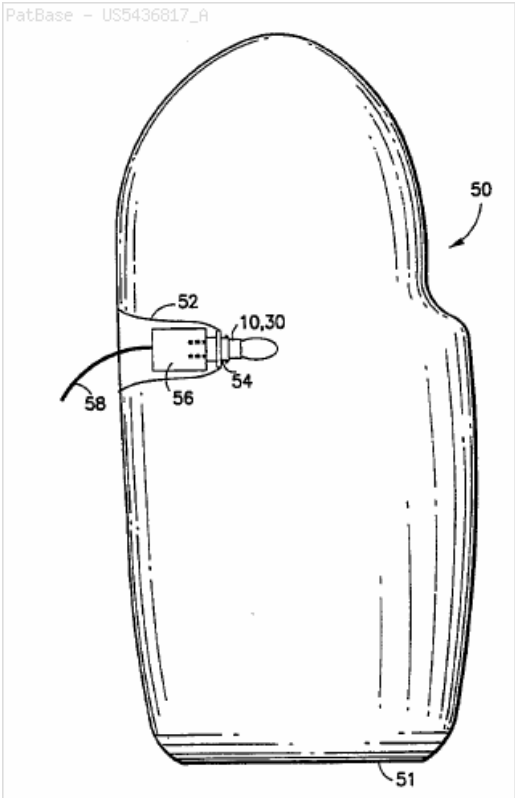
Inventor(s): (std): ECKSTEIN KARL

Inventor(s): ECKSTEIN KARL 8501 FEUCHT ; ECKSTEIN KARL 8501 FEUCHT DE

Title: **RECESSED** LAMP **SOCKET** SYSTEM FOR ILLUMINATED DECORATIVE FigureS

Abstract: A lamp **socket** system for an illuminated decorative figure includes a lamp **socket** with an integral male **electrical** plug and a flange for mounting the **socket** in a hole in the decorative figure. The decorative figure is provided with a well surrounding a hole in which the **socket** is mounted. The well is large enough to accommodate the female end connector of an extension cord and may be provided with an oblong radially extending portion to accommodate an oblong female end connector. When the **socket** is installed in the hole in the figure and an extension cord is connected to the integral male plug on the **socket**, the **electrical** connection between the extension cord and the **socket** is sheltered by the well. The well protects the **electrical** connection from rain, snow, and other environmental elements. It also supports the weight of the female end connector of the extension cord so that the **socket** is not pulled out of the figure. Since the **socket** is installed at the interior end of the well, it does not protrude from the outer surface of the figure. The **socket** is thereby protected from damage during shipping and storage of the decorative figure. The decorative figures can be manufactured using conventional molding techniques to provide the well for receiving the **socket**. The **socket** can be insert molded with inserted conductive prongs, or can be assembled from several pieces. A fuse may be provided in the **socket** and the conductive prongs may be partially shrouded.

Classifications:
International (IPC 8-9): A47G33/08 (Advanced/Invention);
A47G33/00 (Core/Invention)
International (IPC 1-7): F21V1/06 F21V2/06 F21V33/00
CPC: Y10S362/806 Y10S362/808 A47G33/0836
European: A47G33/08 A47G33/08F
US: 362/124 362/267 362/353 362/363 362/806 362/808 40/540
446/485



Family:

Publication number	Publication date	Application number	Application date
US5436817 A	19950725	US19930173193	19931223

Priority:

US19930173193 19931223

Probable Assignee: SUN HILL IND INC

Assignee(s): (std): SUN HILL IND INC

Assignee(s): SUN HILL INDUSTRIES INC ; PNC BANK NATIONAL ASSOCIATION AGENT AS ; PNC BANK NATIONAL ASSOCIATION AS AGENT ; SUN HILL IND

Inventor(s): (std): WOTTON MICHAEL C ; ZINBARG BENSON E

Title: **Recessed electrical receptacle** and work surface

Abstract: An **electrical receptacle** adapted to be **recessed** into a work surface, having a concealed compartment containing **electrical** ports for connection to a remote power supply and communications devices and an exposed compartment for connecting **electrical** cables to the ports. The ports are mounted on a partition plate isolating the exposed compartment from the concealed compartment, which is disposed at an oblique angle relative to the work surface to facilitate the connection and detachment of **electrical** cables and reduce clutter in the work space.

Classifications:

International (IPC 8-9): A47B21/00 H02G3/08 H02G3/12

H02G3/18 (Advanced/Invention);

H02G3/12 (Advanced/Non-invention);

A47B21/00 H02G3/08 H02G3/18 (Core/Invention);

H02G3/12 (Core/Non-invention)

International (IPC 1-7): H01R13/44 H02G3/08 H02G3/18

CPC: A47B21/06 A47B2021/066 A47B2200/0082 H02G3/12

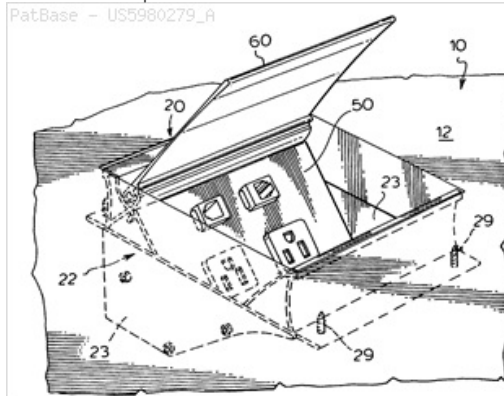
H02G3/123 H02G3/18

European: A47B21/06 H02G3/18 K47B200/00E2 K47B21/06E

T02G3/12 T02G3/12F

US: 174/48 174/489 174/502 439/142

PatBase - US5980279_A



Family:

Publication number	Publication date	Application number	Application date
AU199891500 A1	19990412	AU19980091500	19980917
CA2272266 AA	19990518	CA19982272266	19980917
CA2272266 C	20071127	CA19982272266	19980917
CA2297635 AA	20000803	CA20002297635	20000203
CA2297635 C	20031202	CA20002297635	20000203
US5980279 A	19991109	US19970936832	19970925
US6162071 A	20001219	US19990243426	19990203
WO9916157 A1	19990401	WO1998CA00889	19980917

Priority:

US19970936832 19970925

WO1998CA00889 19980917

US19990243426 19990203

CA20002297635 20000203

Probable Assignee: NIENKAMPER FURNITURE AND ACCESSORIES INC

Assignee(s): (std): NIENKAEMPER FURNITURE AND ACCESS ; NIENKAMPER FURNITURE AND ACCESSO

Assignee(s): NIENKAMPER FURNITURE AND ACCESSORIES INC ; NIENKAEMPER FURNITURE AND ACCESSORIES INC ; MULLER MARK

Inventor(s): (std): MUELLER MARK ; MULLER MARK

Inventor(s): MARK MULLER

Agent(s): DIMOCK STRATTON LLP; WILSON LUE LLP

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

Title: COMBINATION OF SCREW WITH DRIVER BIT OR WRENCH

Abstract: A screw with a polygonal hole (30) formed with a polygonal hole (32) disposed in the center of a screw head (30a) and comprising a vertical wall (33) with a preset depth, and with a cone base oriented from the lower edge of the vertical wall toward the center of a screw neck, wherein a vertical step forming an inscribed circle of the polygon is provided at the lower edge (33a) of the vertical wall (33) of the polygonal hole (32) formed in the screw head (30a), the cone base (35) oriented from the lower edge (34a) of the vertical step (34) toward the center of the screw neck is formed, and a driver bit (40) or wrench (41) to be fitted to this screw is provided at the tip of a peak edge (42) with a cylindrical projection (44) forming the inscribed circle of the polygon.

Classifications:

International (IPC 8-9): B25B13/00 B25B13/54 B25B15/00

B25B23/10 F16B23/00 (Advanced/Invention);

B25B13/00 B25B15/00 B25B23/02 F16B23/00 (Core/Invention)

International (IPC 1-7): B25B B25B13/00 B25B13/54 B25B15/00

B25B23/10 F16B F16B23/00

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F16B23/003 F16B23/0038 F16B23/0053

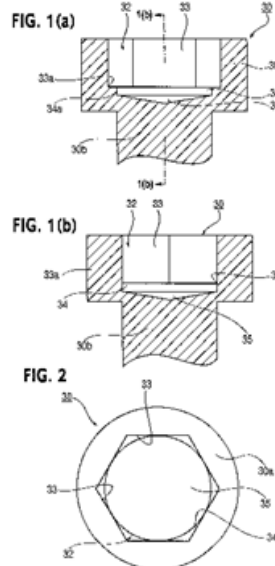
European: B25B15/00B2B B25B15/00B2D B25B23/10D2

F16B23/00B F16B23/00B6 F16B23/00B8

US: 411/403 81/452 81/460

PatBase - US6393953_BA

U.S. Patent May 28, 2002 Sheet 1 of 7 US 6,393,953 B1



Family:

Publication number	Publication date	Application number	Application date
AT279659 E	20041015	AT19980959145T	19981209
AU199915051 A1	19990628	AU19990015051	19981209
AU737777 B2	20010830	AU19990015051	19981209
BRPI9813486 A	20001017	BR1998PI13486	19981209
CA2313481 AA	20000609	CA19982313481	19981209
CA2313481 C	20061010	CA19982313481	19981209
CN1093611 C	20021030	CN19988011666	19981209
CN1280653 A	20010117	CN19988011666	19981209
DE69827035 D1	20041118	DE19986027035	19981209
DE69827035 T2	20060309	DE19986027035T	19981209
DK1039151 T3	20041206	DK19980959145T	19981209
EP1039151 A1	20000927	EP19980959145	19981209
EP1039151 A4	20020508	EP19980959145	19981209
EP1039151 B1	20041013	EP19980959145	19981209
ES2230731 T3	20050501	ES19980959145T	19981209
HK1034304 A1	20030711	HK20010104598	20010704
JP11173315 A2	19990629	JP19970340321	19971210
JP4307583 B2	20090805	JP19970340321	19971210
KR20010032462 A	20010425	KR20007005703	19981209
TW401489 B	20000811	TW19990109401	19990607
US6393953 BA	20020528	US20000581135	20000609
WO9930046 A1	19990617	WO1998JP05575	19981209

Priority:

JP19970340321 19971210 EP19980959145 19981209 WO1998JP05575 19981209

Probable Assignee: TOTSU KATSUYUKI

Assignee(s): (std): TOTSU KATSUYUKI ; TOZU KATSUYUKI

Assignee(s): KATSUYUKI TOTSU

Inventor(s): (std): TOZU KATSUYUKI ; TOTSU KATSUYUKI ; KATSUYUKI TOTSU

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; FETHERSTONHAUGH AND CO; HAMADA HARUO

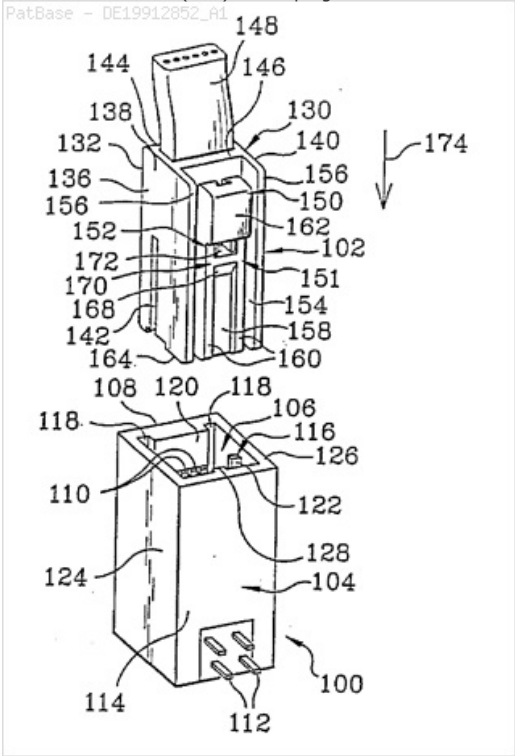
Designated states: AT AU BE BR CA CH CN CY DE DK ES FI FR GB GR IE IT KR LI LU MC MX NL PT SE SG US

Title: CONNECTING PLUG AND **SOCKET** PART WITH ELASTIC, **RECESSED** CONTACT LAMELLA AND LOCKING MECHANISM, E.G. TELEPHONE JACK

Abstract: Connecting plug (102) has elastic **recessed** contact lamella on one side for interaction with similar lamella in the **socket** (100) and locking devices with a spring arm carried by the plug with a movable locking contact.DETAILED DESCRIPTION - The spring arm has two arms (160) connected at both ends to a pressure surface (162) with the locking contact between the arms. The plug and **socket** have guide and non-reversability devices with longitudinal grooves or notches on their undersides and an insertion and protective journal or protrusion formed in the **socket** part which interact with tongues on the plug. Tongues (122) are carried by the **socket** interact with notches (142) in the plug

Classifications:

International (IPC 8-9): H01R13/627 H01R13/639 H01R13/64 H01R24/00 (Advanced/Invention); H01R13/627 H01R13/639 H01R13/64 H01R24/00 (Core/Invention)
International (IPC 1-7): H01R13/629 H01R13/639 H01R13/64 H01R21/22 H01R23/02 H01R23/10
CPC: H01R24/62 H01R13/6272
European: H01R13/627B1 H01R23/02B



Family:

Publication number	Publication date	Application number	Application date
DE19912852 A1	19991007	DE19991012852	19990322
DE29905251 U1	19990624	DE19992005251U	19990322
FR2776425 A1	19990924	FR19980003775	19980323

Priority:

FR19980003775 19980323

Probable Assignee: FRAMATOME CONNECTORS INT

Assignee(s): (std): FRAMATOME CONNECTORS INT

Assignee(s): FRAMATOME CONNECTORS INT COURBEVOIE ; FRAMATOME CONNECTORS INT COURBEVOIE FR ; FRAMATOME CONNECTORS INTERNATIONAL COURBEVOIE ; FRAMATOME CONNECTORS INTERNATIONAL COURBEVOIE FR ; FRAMATOME CONNECTORS CONNECTRAL

Inventor(s): (std): MULOT GERARD

Title: FIBER OPTIC CONNECTOR **RECEPTACLE**

Abstract: A **receptacle** is provided for receiving a fiber optic connector along an optic axis, the connector including a mating end that terminates an end of an optical fiber. The **receptacle** includes a housing having an **open** end for receiving the mating end of the fiber optic connector inserted thereinto on the optic axis. A shutter is mounted on the housing for movement to **close** and **open** the **open** end. The shutter extends across the optic axis when the shutter is **closed**. The shutter is movable away from the optic axis upon engagement by the inserted mating end of the connector. The shutter includes an outer surface having a **recessed** area for registry with the terminated end of the optical fiber to protect the fiber end.

Classifications:**International (IPC 8-9):** G02B6/36 G02B6/38

G02B6/42 (Advanced/Invention);

G02B6/38 (Advanced/Non-invention);

G02B6/38 G02B6/42 (Core/Invention);

G02B6/36 (Core/Non-invention)

International (IPC 1-7): G02B6/36 G02B6/38 G02B6/42**CPC:** G02B6/3893 G02B6/3825 G02B6/3849**European:** G02B6/38D2N S02B6/38D6H2**US:** 385/139 385/60

PatBase - US6108482_R

U.S. Patent

Aug. 22, 2000

Sheet 1 of 3

6,108,482

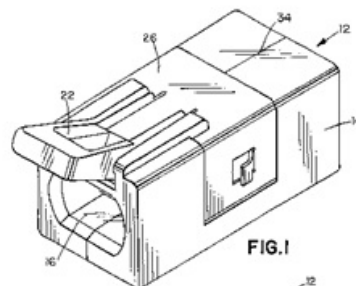


FIG. 1

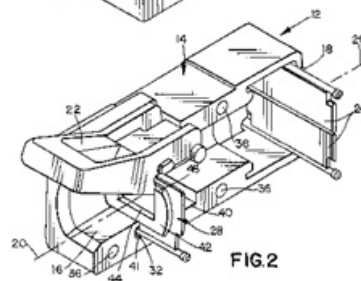


FIG. 2

Family:

Publication number	Publication date	Application number	Application date
■ CN1143149 C	20040324	CN19991001078	19990113
■ CN1229197 A	19990922	CN19991001078	19990113
■ DE69901129 D1	20020508	DE19996001129	19990105
■ DE69901129 T2	20021107	DE19996001129T	19990105
■ EP0930521 A1	19990721	EP19990100048	19990105
■ EP0930521 B1	20020403	EP19990100048	19990105
■ JP11248979 A2	19990917	JP19990004023	19990111
■ JP3000218 B2	20000117	JP19990004023	19990111
■ KR100354280 B1	20020928	KR19990001114	19990113
■ KR19990067932 A	19990825	KR19990001114	19990113
■ SG79245 A1	20010320	SG19980005965	19981229
■ TW369159 Y	19990901	TW19980220880U	19981215
■ US6108482 A	20000822	US19980006707	19980114

Priority:

US19980006707 19980114 KR19990001114 19990113

Probable Assignee: MOLEX CORP**Assignee(s):** (std): MOLEX CORP ; MOLEX INC**Assignee(s):** MOLEX INC LISLE ; MOLEX INCORPORATED ; MOLEX INCORPORATEDUS**Inventor(s):** (std): R F ROTH ; RF ROTH ; ROTH R F ; ROTH RICHARD F ; ROTH RICHARD R**Inventor(s):** ROTH RICHARD F**Designated states:** DE FR GB IT NL