

1) Family number: 68041025 (US2019229477A)

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Title: CONNECTING CABLE AND DRIVING SYSTEM

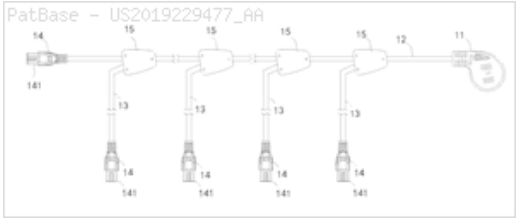
Abstract: A connecting cable and a driving system are provided. The connecting cable comprises a main cable, a plurality of sub-branch cables and a plurality of protecting members, wherein the main cable is arranged with a first terminal at one end, and an end of each of the sub-branch cables is connected with the main cable, respectively; the other end of the main cable and the other end of each of the sub-branch cables are respectively arranged with a second terminal having a plug interface, and each protecting member respectively encloses each joint between each sub-branch cables and the main cable and is fixedly arranged at the joint. When supplying driving circuits for a plurality of actuators by means of the connecting cable, the plurality of actuators can be respectively connected through plug interfaces to one connecting cable.

Classifications:

International (IPC 8-9): H01R13/50 H01R25/00 H01R27/00

H01R31/06 (Advanced/Invention)

CPC: H01R25/003 H01R24/28 H01R13/50 H01R2103/00 H01R27/00
H01R31/06



Family:

Publication number	Publication date	Application number	Application date
CN206820214 U	20171229	CN201720653972U	20170606
CO20190003569 A2	20190619	CO20190003569	20190410
US2019229477 AA	20190725	US20180326389	20180604
WO18223928 A1	20181213	WO2018CN089811	20180604

Priority:

CN201720653972U 20170606 WO2018CN089811 20180604

Probable Assignee: LIANMA ELECTRICAL AND MECH SHENZHEN CO LTD

Assignee(s): (std): LIANMA ELECTRICAL AND MECH SHENZHEN CO LTD ; LIMOSS DONGGUAN CO LTD ; LIMOSS SHENZHEN CO LTD

Assignee(s): LIMOSS SHENZHEN CO ; MECHANICAL AND ELECTRICAL CO LTD SHENZHEN LIAN ; MA LIAN ELECTRICAL SHENZHEN CO LTD ; LIANMA ELECTRICAL AND MECHANICAL SHENZHEN CO ; LIMOSS DONGGUAN CO

Inventor(s): (std): GASSNER CHRISTIAN ; CHRISTINE GASSNER

Agent(s): SHENZHEN ZHONGYI PATENT AND TRADEMARK OFFICE

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

2) Family number: 43088520 (US2009084572A)

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Title: WEATHERPROOF CONNECTOR

Abstract: A weatherproof power inlet box and mating plug wherein the inlet box and mating plug are asymmetrical, positively latched and include more robust elements and a visual indicator of the status of the interconnect. Also included is a thermostat that trips to prevent overheating.

Classifications:

International (IPC 8-9): H01H9/02 H01R13/44 H01R13/52 H01R13/639

H01R13/70 H05K5/03 (Advanced/Invention);

H01R13/66 (Advanced/Non-invention);

H01H9/02 H01R13/44 H01R13/52 H05K5/03 (Core/Invention)

CPC: H01R13/5213 H01R13/639 H01R13/66 H01R2201/26 H01R13/5205

H01R13/447 H01R13/5221 H01R13/652 H01R13/748 H01R24/30

H01R24/78 H01R2103/00

European: H01R13/52D H01R13/52H H01R13/52P1 T01R103/00

T01R13/447 T01R13/52P1 T01R13/652 T01R13/74F T01R24/30

T01R24/78

US: 174/135 174/53 174/54 174/57 174/66 174/67 220/296 439/136

439/136P 439/137 439/271 439/271S 439/274 439/490

JP F-Term: 5E021/FA04 5E021/FB07 5E021/FB21 5E021/FC16

5E021/FC36 5E021/HC11 5E021/MA12 5E087 5E087/EE10 5E087/EE11

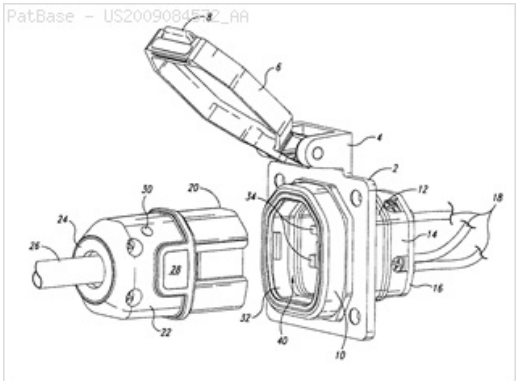
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5E087/LL17 5E087/LL29 5E087/LL33 5E087/MM05 5E087/MM09

5E087/QQ03 5E087/QQ04 5E087/QQ06 5E087/RR12 5E087/RR16

JP F-Index: H01R13/52/301/H H01R13/52/302/C H01R13/639/Z

H01R13/70



Family:

Publication number	Publication date	Application number	Application date
CA2742210 AA	20110429	CA20092742210	20090501
CA2742210 C	20130709	CA20092742210	20090501
EP2218147 A2	20100818	EP20090807569	20090501
EP2218147 A4	20170222	EP20090807569	20090501
JP2012509555 T2	20120419	JP201110536343T	20090501
US2009084572 AA	20090402	US20070864314	20070928
US2009088010 AA	20090402	US20080271560	20081114
US7554034 BB	20090630	US20070864314	20070928
US8288651 BB	20121016	US20080271560	20081114
WO10056389 A2	20100520	WO2009US42518	20090501
WO10056389 A3	20160324	WO2009US42518	20090501

Priority:

US20070864314 20070928 US20080271560 20081114 WO2009US42518 20090501

Probable Assignee: SMITH KENNETH

Assignee(s): (std): SMITH KEN ; SMITH KENNETH

Inventor(s): (std): SMITH KEN ; SMITH KENNETH

Agent(s): RIDOUT AND MAYBEE LLP; FAULKNER THOMAS JOHN; ONO SHINJIRO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO; JENSEN AND PUNTIGAM PS; ROBERT A; JENSEN ROBERT A

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

3) Family number: 60536676 (CN204696406U)

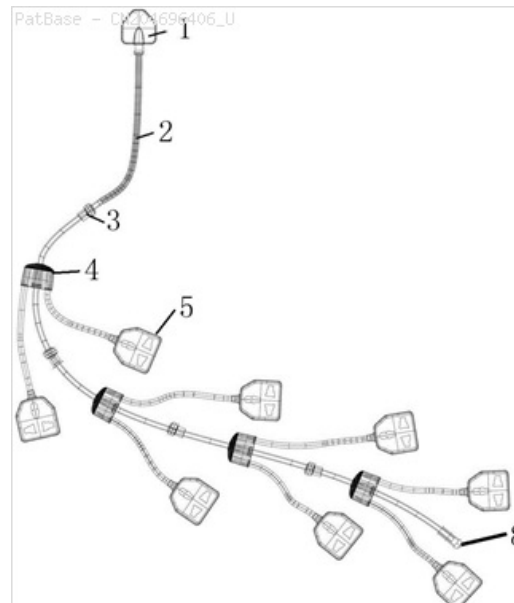
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Title: FREE WIRING BOARD IN FORMULA MODULARIZATION SPACE TIED IN A BUNDLE

Abstract: The utility model relates to an electricity wiring board, concretely relates to wiring board that can extend. A free wiring board in formula modularization space tied in a bundle, includes through total power plug module, the separated time module that connects gradually and seals the cap and constitute, total power plug module comprises the total power plug, power supply line and the module socket that connect gradually, the separated time module comprises a plurality of sub - separated time module interconnect, each sub - separated time module includes a thread and a plurality of branch lines of being connected with the thread, it do not is connected with branch power socket to equally divide on each branch line, the first sub - separated time module linking module socket, the cap is sealed in separated time module connection in last seat. The utility model discloses simple structure, through sub - separated time module realize every divide power socket all can be in the space free activity to solve traditional wiring board and can not use a plurality of plugs simultaneously owing to plug oversize, when using, only need connect a plurality of sub - separated time modules on a large scale.

Classifications:

International (IPC 8-9): H01R31/02 H01R35/02 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
CN204696406 U	20151007	CN201520396030U	20150610

Priority:

CN201520396030U 20150610

Probable Assignee: NIU KANG

Assignee(s): (std): NIU KANG

Assignee(s): CATTLE HEALTH
Inventor(s): (std): NIU KANG

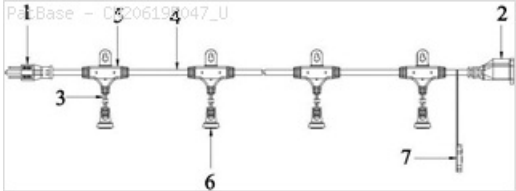
4) Family number: 64019837 (CN206195047U)

PatBase

Title: WIRING OF LAMP POLYPHONE

Abstract: The utility model discloses a wiring of lamp polyphone, its including public insert, mother inserts, connecting wire and a plurality of three -way connector who fixes side by side in proper order on same main connecting wire, the one end of a connecting wire is inserted in the three -way connector and is riveted mutually with main connecting wire, the other end is equipped with waterproof lamp holder, she public affairs is inserted and are inserted corresponding connection and plug and be equipped with the waterproof cover the head and the tail both ends of main connecting wire, mother with female, the utility model discloses structural design is ingenious, rationally, can come in -cut connection in proper order according to required length, in order to reach required use length, it is simple to use, it is convenient, and butt formula in the adoption of main connecting wire, it is made the sinle silk expose only to open the line promptly, effectively ensure the sinle silk integrity, the cutting device in the utility model is advantageous in that, structure design is ingenious, and rivet through the riveting copper strips, the cooperation closely, the contact is reliable, and is simple to use, effectively stop to appear disconnected copper wire, phenomenons such as disconnection drop, guarantee the quality of product, and it is waterproof dustproof, job stabilization nature is good, fail safe nature is high.

Classifications:
International (IPC 8-9): H01R13/52 H01R13/629 H01R13/70
H01R31/02 (Advanced/Invention)
CPC: H01R31/02 H01R13/5202 H01R13/5213 H01R13/629 H01R13/70



Family:

Publication number	Publication date	Application number	Application date
CN106129701 A	20161116	CN201610563937	20160718
CN206195047 U	20170524	CN201620753716U	20160718

Priority:

CN201610563937 20160718 CN201620753716U 20160718

Probable Assignee: DONGGUAN YONGSHENG CABLES TECH CO LTD

Assignee(s): (std): DONGGUAN YONGSHENG CABLES TECH CO LTD ; DONGGUAN YONGSHENG CABLES TECHNOLOGY CO LTD

Assignee(s): DONGGUAN YONGSHENG CABLES TECHNOLOGY CO

Inventor(s): (std): LIU YONGQIANG