

Diego Gonzalez

Search history

Search 1: connector and plug and tapered and (surface or face) and electric* and magnetic (Results 3983)
Search 2: connector and plug and tapered and (surface or face) and electric* and magnetic and male (Results 1243)
Search 3: connector and plug and tapered and (surface or face) and electric* and magnetic and male and plane (Results 854)
Search 4: connector and plug and tapered and (surface or face) and electric* and magnetic and male and plane and flank (Results 28)
Search 5: connector and plug and tapered and (surface or face) and electric* and magnetic and male and plane and IC=(H01R) (Results 88)
Search 6: connector and plug and tapered and (surface or face) and electric* and magnetic and male and plane and signal and IC=(H01R) (Results 60)

Title: DUAL ORIENTATION **CONNECTOR** WITH EXTERNAL CONTACTS AND CONDUCTIVE FRAME

Abstract: Source: US2013115821A A dual orientation **connector** having a **connector** tab with first and second major opposing sides and a plurality of **electrical** contacts carried by the **connector** tab. The plurality of contacts includes a first set of external contacts formed at the first major side and a second set of external contacts formed at the second major side. Each individual contact in the first plurality of contacts is **electrically** connected within the tab or body to a corresponding contact in the second plurality of contacts. In some embodiments contacts in the first and second pluralities of contacts that are directly opposite each other are coupled together. In some other embodiments, contacts in the first and second pluralities of contacts that are in a cater cornered relationship with each other are coupled together. The first plurality of contacts are symmetrically spaced with the second plurality of contacts and the **connector** tab is shaped to have 180 degree symmetry so that it can be inserted and operatively coupled to a corresponding receptacle **connector** in either of two insertion orientations.

Classifications:

International (IPC 8-9): G06F1/16 G06F13/00 G06F13/10 G06F13/12 G06F13/38 G06F13/42 G06F21/30 G06F21/44 G06F21/85 G06F3/00

H01R11/01 H01R13/00 H01R13/02 H01R13/04 H01R13/11 H01R13/28 H01R13/40 H01R13/46 H01R13/502 H01R13/516 H01R13/518 H01R13/625 H01R13/627 H01R13/631 H01R13/639 H01R13/64 H01R13/641 H01R13/642 H01R13/646 H01R13/6471 H01R13/648 H01R13/652 H01R13/658 H01R13/6582 H01R13/6588 H01R13/66 H01R24/00 H01R24/28 H01R24/38 H01R24/60 H01R24/62 H01R24/64 H01R24/86 H01R25/00 H01R27/00 H01R29/00 H01R31/00 H01R31/06 H01R43/00 H01R43/18 H01R43/20 H01R43/24 H04L12/40 H04L29/06 H04L9/32

H04M1/00 (Advanced/Invention);

H01R107/00 H01R13/516 H01R13/642 H01R24/60

H01R31/06 (Advanced/Non-invention);

H01R13/648 H01R29/00 H01R43/24 (Core/Invention);

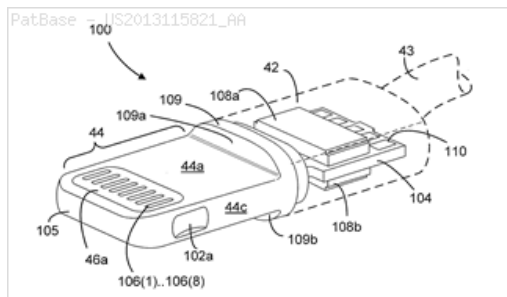
H01R (Subclass/Invention)

CPC: G06F13/382 H01R13/00 H01R13/11 H01R13/631 H01R13/6471 H01R43/18 H01R43/205 G06F21/85 H01R31/065

G06F13/102 H01R13/516 H01R29/00 H01R43/24 H01R13/6691 H01R13/642 H01R13/6588 G06F21/44 H01R24/60

H01R13/6275 H01R13/6582 H01R24/28 H01R25/00 H01R24/64 H04L12/40013 H01R2107/00 H04L12/40078 H01R13/6683

US: 1/1 340/5.8 439/218 439/350 439/502 439/607.01 439/607.41 439/620.04 439/638 439/660 439/668 439/676 710/316 710/62 710/72 713/300



Family:

Publication number	Publication date	Application number	Application date
AU2012101657 AD	20121206	AU20120101657	20121107
AU2012101657 BD	20130328	AU20120101657	20121107
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Priority:

AU20120245184	20121107	AU20140213570	20140818	CA20122794906	20121107
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Title: TIGHTLY-COUPLED NEAR-FIELD COMMUNICATION-LINK **CONNECTOR**-REPLACEMENT CHIPS

Abstract: Source: US2010159829A Tightly-coupled near-field transmitter/receiver pairs are deployed such that the transmitter is disposed at a terminal portion of a first conduction path, the receiver is disposed at a terminal portion of a second conduction path, the transmitter and receiver are disposed in close proximity to each other, and the first conduction path and the second conduction path are discontinuous with respect to each other. In some embodiments of the present invention, close proximity refers to the transmitter antenna and the receiver antenna being spaced apart by a distance such that, at wavelengths of the transmitter carrier frequency, near-field coupling is obtained. In some embodiments, the transmitter and receiver are disposed on separate substrates that are moveable relative to each other. In alternative embodiments, the transmitter and receiver are disposed on the same substrate.

Classifications:

International (IPC 8-9): F01C1/348 F01C1/356 F01C1/40 F01C21/08

F01C21/10 F03C2/30 F03C4/00 F04C18/00 F04C18/40 F04C2/00

F04C2/348 F04C2/356 F04C2/40 G01D5/12 G01R27/26 G01S11/02

G01S13/04 G01S13/08 G06F1/16 G06F1/18 G06F13/00 G06F13/40

G06F13/42 G06F15/16 G06F17/30 G06F3/12 G06F3/14 G06F7/04

G06K19/07 G06K19/077 G09G3/20 G09G5/00 H01F38/14 H01F7/02

H01L23/00 H01L23/12 H01L23/31 H01L23/495 H01L23/498

H01L23/66 H01L25/065 H01P3/12 H01P3/127 H01P3/16 H01P5/02

H01Q1/12 H01Q1/22 H01Q1/24 H01Q1/38 H01Q1/48 H01Q1/50

H01Q13/02 H01Q19/02 H01Q19/18 H01Q23/00 H01Q7/00 H01Q9/26

H01R11/30 H01R13/62 H01R13/631 H01R13/64 H01R13/646

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H04B1/40 H04B1/401 H04B1/44 H04B13/00 H04B14/02 H04B14/06

H04B17/00 H04B17/309 H04B17/318 H04B5/00 H04B5/02

H04B7/00 H04B7/08 H04B7/24 H04J3/16 H04L12/00 H04L12/12

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H04Q5/22 H04R3/00 H04W12/08 H04W4/00 H04W4/02

H04W52/02 H04W76/02 H04W76/04 H04W8/00 H05K1/02 H05K9/00

(Advanced/Invention); G06F3/0481 G06F3/0488 G09G5/00 H01L23/00 H01L23/31

H01L23/498 H04B1/38 H04B1/40 H04B5/00 H04L7/00

H05K1/02 (Advanced/Non-invention); H04B5/00 (Core/Invention)

CPC: H01L2223/6677 H04B7/00 H01Q1/50 G09G2370/12 G06F1/1622

G06F1/1654 G06F1/1681 G06F1/1698 H01Q13/02

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H04W12/08 H04L63/107 H04L63/0428 H01L23/66

H04R2420/09 H04R2420/07 H04B1/44 H01L2224/05554

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European: G01S13/04 G01S13/08 H01L23/498L

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H04B5/00P2 H04B5/02 H04L25/49A

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US: 1/1 307/104 327/291 332/106 333/239

333/24R 340/539.1 340/568.1 340/572.2

340/572.4 340/572.8 341/173 341/20

342/118 342/386 343/833 343/905 345/520

361/679.01 361/679.09 361/679.27

370/277 370/474 375/259 375/295

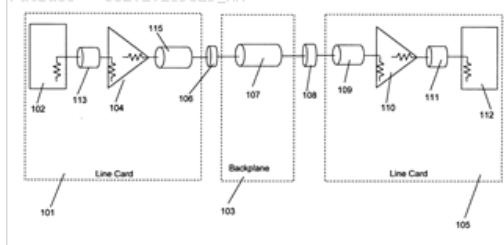
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455/39 455/41.1 455/41.2 455/552.1

455/67.11 455/90.2 455/90.3 713/168

726/3 726/4

PatBase - US2010159829_AA



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Publication number	Publication date	Application number	Application date
AU2012283747 AA	20130117	AU20120283747	20120706
AU2012283747 BB	20150924	AU20120283747	20120706
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Probable Assignee: KEYSSA INC

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Assignee(s): KEYSSA INC CAMPELL

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LLP; FENWICK AND WEST; MICHAEL BEST AND FRIEDRICH LLP; COOPER DAVID P; LINDEN GERALD E;
VAN COURT ANDREW ET AL; PATEL RAJIV P ET AL

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

Title: METHOD OF SERVICING A GAS TURBINE ENGINE

Abstract: Source: US2013160291A A gas turbine engine 10 is provided with rigid raft assemblies 290, which may be **electrical** harness raft assemblies 290 comprising **electrical** conductors embedded in a rigid composite material. The rigid raft assemblies 290 can be provided with engine dressings, such as pipework and ECUs to produce an **electrical** raft assembly. In order to assemble or dress the gas turbine engine 10, the rigid raft assemblies can be pre-prepared to incorporate at least a part of at least one gas turbine engine system/component before being installed on the gas turbine engine 10. During maintenance, whole raft assemblies can be removed and replaced with corresponding, pre-prepared assemblies. This can save considerable time during engine build and maintenance.

Classifications:

International (IPC 8-9): B23P6/00 B60R16/00 B60R16/02 B60R16/08

B64C3/34 B64D29/08 F01D25/00 F01D25/02 F01D25/24 F01D25/28
F02C1/00 F02C7/00 F02C7/047 F02C7/12 F02C7/141 F02C7/16
F02C7/20 F02C7/22 F02C7/224 F02C7/32 F16L3/00 F16L3/10
F16M13/02 F24H1/00 F24H1/10 H01B1/00 H01B7/00 H01B7/04

H01B7/17 H01R12/00 H01R12/51 H01R12/57 H01R12/59 H01R12/61

H01R13/518 H01R13/52 H01R13/648 H01R13/6581 H01R24/60

H01R24/68 H02G1/00 H02G1/02 H02G3/00 H02G3/02 H02G3/03 H02G3/04 H02G3/32 H05B1/02 H05B3/28 H05K3/32

H05K7/20 H05K9/00 (Advanced/Invention);

F02C7/00 H01B7/08 H01R13/52 H01R13/6581 (Advanced/Non-invention)

CPC: F01D25/28 H02G3/00 F02C7/22 F02C7/222 H05K9/0098 H01R13/518 F16M13/02 F02C7/20 B23P6/005 F02C7/12

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H01R12/61 Y10T29/49229 H05K7/20 H05K1/0393 H05K2201/029 F05D2230/60 F05D2230/70 F05D2230/72 F01D25/24

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

Title: LIGHTWEIGHT AUDIO SYSTEM FOR AUTOMOTIVE APPLICATIONS AND METHOD

Abstract: Source: US2008049949A A lightweight radio/CD player for vehicular application is virtually "fastenerless" and includes a case and frontal interface formed of polymer based material that is molded to provide details to accept audio devices such as playback mechanisms (if desired) and radio receivers, as well as the circuit boards required for electrical control and display. The case and frontal interface are of composite structure, including an insert molded electrically conductive wire mesh screen that has been pre-formed to contour with the molding operation. The wire mesh provides EMC, RFI, BCI and ESD shielding and grounding of the circuit boards via exposed wire mesh pads and adjacent ground clips. The PCB architecture is bifurcated into a first board carrying common circuit components in a surface mount configuration suitable for high volume production, and a second board carrying application specific circuit components in a wave soldered stick mount configuration. The major components and subassemblies are self-fixturing during the final assembly process, eliminating the need for dedicated tools, fixtures and assembly equipment. The major components and subassemblies self-interconnect by integral guide and connection features effecting "slide lock" and "snap lock" self-interconnection. The radio architecture includes improved push buttons employing 4-bar living hinge linkage and front loaded decorative trim buttons.

Classifications:

International (IPC 8-9): A44B1/00 A47B81/00 A47F7/00 B05D5/06 B21D11/10 B21D26/027 B21D26/031 B23K26/38 B23P11/00 B23P13/00 B23P15/00 B23P17/00 B23P25/00 B23P9/00 B29C39/02 B29C43/00 B29C43/20 B29C45/14 B29C51/10 B29C59/16 B29C70/68 B29C70/88 B29D17/00 B41M5/24 B60R11/00 B60R11/02 B60R5/00 B65D85/00 E05D3/06 E05D3/14 F16B1/00 F16B19/00 F28F7/00 G04B17/00 G04C11/02 G04G5/00 G04G7/02 G04R20/10 G05G1/02 G06F1/00 G06F1/16 G06F1/18 G06F11/00 G06F17/00 G06F19/00 G06F9/445 G11B33/12 G12B9/00 H01H13/14 H01H13/70 H01H3/02 H01H3/12 H01R13/502 H02H3/00 H04B1/00 H04B1/06 H04B1/08 H04B15/02 H04H20/47 H04Q7/20 H04R1/00 H04R1/02 H04R29/00 H05F1/00 H05K1/02 H05K1/14 H05K11/02 H05K13/00 H05K3/00 H05K3/36 H05K5/00 H05K5/02 H05K7/02 H05K7/12 H05K7/14 H05K7/20 H05K9/00 (Advanced/Invention);

H05K1/14 (Advanced/Non-invention);

A44B1/00 A47B81/00 A47F7/00 B05D5/06 B23K26/00 B23P11/00 B23P13/00 B23P15/00 B23P25/00 B29C39/02 B29C43/00

B29C51/10 B29D17/00 B60R11/02 B60R5/00 B65D85/00 E05D3/00 F16B1/00 F16B19/00 F28F7/00 G04B17/00 G04G5/00 G04G7/00 G11B33/12 G12B9/00 H01H13/14 H01H13/70 H01H3/02

H01R13/502 H02H3/00 H04B1/00 H04B1/08 H04H1/00 H04H20/44 H04Q7/20 H04R29/00 H05K13/00 H05K5/00 H05K7/14 H05K7/20 H05K9/00 (Core/Invention)

International (IPC 1-7): H04Q7/20 H05K9/00

CPC: G06F1/1656 G06F1/182 H05K13/00 H05K5/0226 H05K7/20436 H04R1/02 B29C59/16 H05K5/0221 B60R11/02 G06F11/00 H05K1/0215 H05K1/141 H05K7/20418 H05K2201/09081 H05K2201/10386 H05K2201/10446 H05K9/0045 H05K7/14 B60R11/0205 H05K5/0217 H05K9/0047 B21D26/027 B21D26/031 H04B15/02 Y10T16/547 Y10T16/5476 Y10T29/49124 Y10T29/49126 Y10T29/49128 Y10T29/4913 Y10T29/49169 Y10T29/49172 Y10T29/4957 Y10T29/49826 Y10T29/49861 Y10T29/5313 Y10T74/20396 Y10T403/70 Y10T403/77 Y10T428/24289 H04B1/082 H05K9/0081 H05K9/0079 H05K3/00 H05K9/0007 H05K7/20409 H05K7/12 Y10T29/4998 Y10T156/1028 G04G5/002 G04R20/10 H05K7/1417 H05K7/142 H05K7/1422 B29C70/68 B29C70/882 B29C70/885 Y10T29/49002 Y10T29/49117 Y10T428/24917

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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 CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN 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 PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST
SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: MEMBRANE-BASED CHIP TOOLING

Abstract: Source: US2006278331A A method for use with multiple chips, each respectively having a bonding **surface** including **electrical** contacts and a **surface** on a side opposite the bonding **surface** involves bringing a hardenable material located on a body into contact with the multiple chips, hardening the hardenable material so as to constrain at least a portion of each of the multiple chips, moving the multiple chips from a first location to a second location, applying a force to the body such that the hardened, hardenable material will uniformly transfer a vertical force, applied to the body, to the chips so as to bring, under pressure, a bonding **surface** of each individual chip into contact with a bonding **surface** of an element to which the individual chips will be bonded, at the second location, without causing damage to the individual chips, element, or bonding **surface**.

Classifications:

International (IPC 8-9): A47J36/02 B23K31/00 B23K31/02 B23K31/12 B23K35/24 B29C65/00 B32B3/00 B32B37/00 B32B38/10 B44C1/165 H01L21/00 H01L21/28 H01L21/30 H01L21/302 H01L21/31 H01L21/3205 H01L21/44 H01L21/46 H01L21/4763 H01L21/48 H01L21/50 H01L21/60 H01L21/603 H01L21/66 H01L21/683 H01L21/70 H01L21/76 H01L21/768 H01L21/8238 H01L23/00 H01L23/02 H01L23/12 H01L23/34 H01L23/40 H01L23/427 H01L23/48 H01L23/488 H01L23/495 H01L23/498 H01L23/52 H01L23/522 H01L23/538 H01L23/552 H01L23/556 H01L23/66 H01L25/00 H01L25/065 H01L25/07 H01L25/18 H01L27/00 H01L27/148 H01L29/40 H01L29/92 H01L29/94 H01R11/00 H01S5/042 H01S5/183 H05K3/34 (Advanced/Invention); H01L21/44 H01L21/768 H01S5/022 H01S5/042 H01S5/183 (Advanced/Non-invention); A47J36/02 B23K31/00 B23K31/02 B23K31/12 B23K35/24 B32B3/00 B32B37/00 B32B38/10 B44C1/165 H01L21/00 H01L21/02 H01L21/70 H01L23/02 H01L23/12 H01L23/34 H01L23/48 H01L23/52 H01L25/065 H01L25/07 H01L25/18 H01L27/00 H01L29/40 H01L29/66 H01R11/00 H05K3/34 (Core/Invention)

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Probable Assignee: CUFER ASSET LTD LLC

Assignee(s): (std): CUFER ASSET LTD L L C ; DUDOFF GREGORY ; TREZZA JOHN ; MISRA ABHAY ; DUGAS ROGER ; FRUSHOUR ROSS ; TRZZA JOHN ; CALLAHAN JOHN ; CALLAHAN JON ; CUBIC WAFER INC ; QIUFEIR ASSET CO LTD ; CUFER ASSET LTD LLC

Assignee(s): CUFER ASSETT LTD L L C ; CUFER ASSETT LTD LLC ; CUFER ASSETS LTD LLC ; CUFER ASSET LTD ; CUFER ASSETS LTD ; QIUFEIR ASSET CO

Inventor(s): (std): ABHAY MISRA ; CALLAHAN JOHN ; CALLAHAN JON ; DUDOFF GREGORY ; DUGAS ROGER ; FRUSHOUR ROSS ; GREGORY DUDOFF ; JOHN CALLAHAN ; JON CALLAHAN ; MISRA ABHAY ; TREZZA JOHN ; TRZZA JOHN ; JOHN TREZZA ; JOHN COLAHAN ; GREGORY DUDOV ; DUSSELDORF GREGORY ; CALLAGHAN JOHN

Agent(s): BRUCE ALEXANDER RICHARD HENRY; MORGAN AND FINNEGAN LLP; FOLEY AND LARDNER LLP; STRAUSSMAN RICHARD; MANNING MICHELLE ET AL

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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: POWER SUPPLY METHODS AND CONFIGURATIONS

Abstract: Source: US2003085621A A power supply detects power requirements of an **electrical** device and configures itself to provide the correct power to the device. By using a **connector** that isolates the device from its battery, the power supply can provide power to the device, recharge the battery, recharge the battery while at the same time providing power to the device, or provide power to the device while preventing the battery from being recharged. A switch used with the **connector** creates various circuits and is controllable by the power supply, the **electrical** device, by **signals** from the **electrical** device, or by a third device. The power supply may provide power to a plurality of devices and may be used with other power supplies to form a power grid. A master control unit receives inputs from each of the power supplies and controls the delivery and supply of power being the power supplies.

Classifications:

International (ipc 8-9): G01K1/02 G01K1/14 G01K7/16 G01K7/22 G01R31/36 G01R31/40 G05D11/00 G05F1/565 G06F1/18 G06F1/26 H01C7/02 H01C7/04 H01M10/42 H01M10/48 H01R13/703 H01R24/58 H01R29/00 H01R9/05 H02J/00 H02J7/00 H02J7/34

H02J9/06 (Advanced/Invention);

C07D207/325 G01R31/40 H01M10/42 (Advanced/Non-invention);

G01K1/00 G01K1/14 G01K7/16 G01R31/36 G05D11/00 G06F1/26

H01C7/02 H01C7/04 H01M10/42 H01R13/70 H01R29/00 H02J5/00

H02J7/00 H02J9/06 (Core/Invention);

G01R31/40 (Core/Non-invention)

International (ipc 1-7): G01K1/00 G01K1/02 G01R1/00 G05F1/565 G06F1/18 H01C3/04 H01H47/00 H01M10/48 H01M10/50 H01R H01R13/703 H01R24/00 H01R27/00 H01R29/00 H01R9/05 H02J1/10 H02J7/00 H02J7/34 H02J9/00

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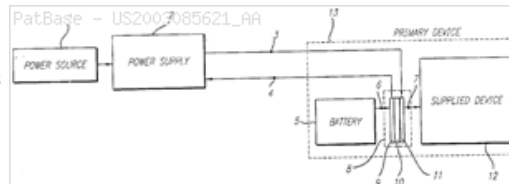
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340/12.32 340/310.01 340/310.11 374/141 374/163 374/185 374/208 374/E01.002 374/E07.029 374/E1.002 374/E10.02

374/E10.02S 374/E7.029 374/E70.29 374/E70.29S 429/90 439/218 439/218P 439/578 439/578P 439/578S 439/668 439/669

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**Family:**

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Priority:

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Probable Assignee: LIFESTYLE TECHNOLOGIES

Assignee(s): (std): PATRICK H POTECA ; PATRICK POTECA ; POTECA PATRICK ; POTECA PATRICK HENRY ; POTECA PATRICK H ; LIFESTYLE TECHNOLOGIES

Assignee(s): LIFESTYLE TECHNOLOGIES INC

Inventor(s): (std): PATRICK H POTECA ; PATRICK POTECA ; POTECA PATRICK ; POTECA PATRICK H ; POTECA PATRICK HENRY

Agent(s): MARKS AND CLERK; PATRICK H POTECA

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA 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 TZ UA UG US UZ VN YU ZA ZW

Title: SYSTEMS, METHODS, AND DEVICES FOR PRE-CHARGE CONTROL OF A BATTERY MODULE

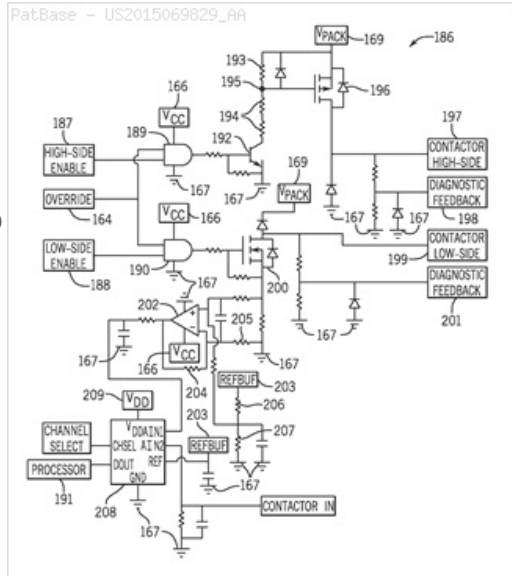
Abstract: Source: US2015069829A The present subject matter relates to a battery module for use in a vehicle. The battery module may include a housing, a plurality of battery cells disposed within the housing, and solid state pre-charge control circuitry that pre-charges a direct current (DC) bus that may be coupled between the battery module and an electronic component of the vehicle. Furthermore, the solid state pre-charge control circuitry may include solid state electronic components as well as passive electronic components.

Classifications:

International (IPC 8-9): B60L1/00 B60L1/02 B60L1/14 B60L11/12 B60L11/14 B60L11/18 B60L15/20 B60L3/00 B60L3/12 B60R16/03 B60R16/033 G01R31/36 H01H37/76 H01H47/32 H01H85/00 H01M10/00 H01M10/04 H01M10/058 H01M10/42 H01M10/48 H01M10/6551 H01M2/10 H01M2/12 H01M2/20 H01M2/22 H01M2/24 H01M2/30 H01M2/32 H01M2/34 H01M4/66 H01R12/57 H01R12/71 H01R13/10 H01R9/00 H02B1/18 H02H9/00 H02J7/00 H05K1/00 H05K1/02 H05K1/18 H05K3/32 (Advanced/Invention); G01R31/02 G01R31/36 H01M10/42 H01M10/613 H01M10/625 H01M10/647 H01M10/6551 H01M2/10 H01M2/12 H01M2/20 H01M2/30 H01M2/32 H01M2/34 H01M4/66 H01R12/71 H02H7/18 H05K1/02 (Advanced/Non-invention)

CPC: H02J7/0063 H01M10/425 G01R31/362 H01M10/04 H01M2/206 H01M2250/20 H01M10/4257 H01M2220/20 H01M10/058 H01M2/34 H01H47/325 H01M10/482 H05K3/32 H05K1/18 H01M10/0413 H01M2/20 H01M2/24 G01R31/3627 B60L11/1851 G01R31/025 H01M2010/4271 H01M2200/103 H01R12/716 H02H7/18 H02J7/0021 H05K1/0262 H05K1/0263 H05K2201/10492 H05K2201/1053 H05K2201/10545 Y02T10/7005 Y02T10/7016 Y02T10/705 H01M2/1077 H01M2/1252 H01M10/486 Y10T29/49108 Y10T29/4911 Y10T29/49114 H01M2/22 B60R16/033 B60L1/003 B60L1/02 B60L1/14 B60L3/0046 B60L3/12 B60L11/123 B60L11/14 B60L11/1803 B60L11/1861 B60L11/1864 B60L11/1874 B60L11/1877 B60L11/1879 B60L15/20 B60L2210/10 B60L2210/40 B60L2240/34 B60L2240/545 B60L2240/547 B60L2240/549 B60L2250/10 B60L2260/26 B60L2270/20 H01M2/1205 H01M2/1211 H01M2/305 H01M2/32 H01M2/342 H01M4/661 H01M4/665 H01M10/6551 Y02T10/6217 Y02T10/645 Y02T10/7044 Y02T10/7061 Y02T10/7077 Y02T10/7216 Y02T10/7241 Y02T10/7275 B60R16/03 H01M2010/4278

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Family:

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Priority:

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Probable Assignee: JOHNSON CONTROLS TECHNOLOGY CO

Assignee(s): (std): JOHNSON CONTROLS TECH CO

Assignee(s): JOHNSON CONTROLS TECHNOLOGY CO

Inventor(s): (std): BALK MIKHAIL S ; CASH STEPHEN D ; DEKEUSTER RICHARD M ; DINKELMAN JOHN P ; DULLE RONALD J ; GUNDERSON MARK D ; HOUCHIN MILLER GARY P ; JOHNSON JACK L ; MACK ROBERT J ; SOLESKI EDWARD J ; THIEME BRIAN L ; THIEME BRYAN L ; TYLER MATTHEW R ; WINDERS LISA L

Agent(s): TRINKS OLE; FLETCHER YODER PC; POWELL W ALLEN ET AL; POWELL ALLEN W ET AL; FLETCHER MICHAEL G ET AL

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

Title: POWER **CONNECTOR** SYSTEM

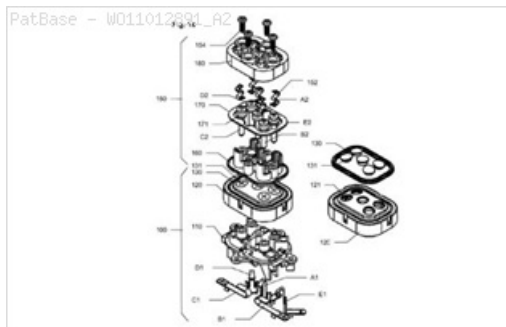
Abstract: A power **connector** comprises a central terminal and at least three peripheral terminals distributed around the central terminal, the peripheral terminals being substantially equally spaced from the central terminal. This configuration may allow a smaller footprint for such a **connector**, thus enabling better sealing, lower cost and/or greater flexibility of application, while avoiding safety problems such as tracking.

Classifications:

International (IPC 8-9): A47J19/00 A47J27/00 A47J27/21 A47J27/56 A47J31/00 A47J31/06 A47J31/44 A47J31/46 A47J31/54 A47J31/56 A47J31/58 A47J36/00 A47J36/14 A47J36/24 A47J36/34 A47J36/42 A47J41/00 A47J43/04 A47J43/07 A47J44/02 B65D43/16 B65D47/06 B65D81/18 F16J15/00 F16J15/02 F16J15/06 F16J15/32 F16J15/3204 F16J15/3232 F16K1/14 F24H1/18 F24H9/00 F24H9/18 F24H9/20 G01F23/00 G01F23/26 G01F23/292 G02B7/20 H01H37/04 H01H37/52 H01H37/54 H01R13/00 H01R13/02 H01R13/40 H01R13/405 H01R13/42 H01R13/46 H01R13/502 H01R13/52 H01R13/631 H01R13/635 H01R13/639 H01R13/648 H01R13/70 H01R13/717 H01R24/00 H01R24/38 H01R24/58 H01R33/00 H01R33/72 H01R33/74 H01R33/94 H01R33/96 H01R33/965 H01R4/48 H05B1/00 H05B1/02 H05B3/04 H05B3/08 (Advanced/Invention); A47J27/21 H01R107/00 (Advanced/Non-invention); H01R13/00 (Core/Invention)

CPC: H01R24/38 H01R13/405 H01R13/00 H01R13/46 H01R23/10 H01R33/74 A47J27/2105 H01R13/453 H01R13/52 G02B7/20 H01R13/7172 H01R13/7175 A47J31/46 A47J31/58 A47J36/14 G01F23/00 H01R13/717 G01F23/268 G01F23/266 A47J27/21083 A47J27/21091 A47J36/34 F16J15/021 F16J15/3204 F16J15/3232 G01F23/263 G01F23/292 H01R13/5205 A47J41/0027 A47J27/21191 A47J27/21116 H01R13/42 H01R13/5227 H05B3/04 H05B3/08 H01R2103/00 A47J36/24 A47J36/00 F16J15/00 A47J27/21058 A47J27/21075 A47J27/21175 A47J41/0022 A47J27/21166 H01H37/04 H01H37/54 A47J27/21 H01H37/043 H01H37/5409 A47J27/21158 A47J27/21066 A47J27/21108 A47J27/21125 H01H37/52 H05B1/0213 H01R13/7137 H01R24/78 H01R24/58 H01R13/631 H01R24/86

European: A47J27/21B3 A47J27/21B4 A47J27/21B4A1 A47J27/21C1 A47J27/21C3 A47J41/00C3T A47J41/00C5 G01F23/26B4 G01F23/26B6 H01R23/26 K47J27/21B3 K47J41/00C3T T01R13/453 T01R13/52



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GB20140002933	20110218				

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CONTROLS SHENZHEN LTD ; OTTER TEMPERATURE CONTROLLER SHENZHEN CO LTD ; WRIGHT PETER
HALLAM

Assignee(s): OTTER CONTROLS SHENZHEN LIMITED ; AOTAI TEMPERATURE CONTROLLER SHENZHEN CO ; AOTAI
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LIMITED

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WRIGHT ; PETER HALLAM WRIGHT ; PETER HAARLEM WRIGHT ; ROBIN KEITH MORE ; ROBIN KEITH
MOORE ; PAUL BUNDY ; PAUL BOUNDY ; MARK STUART BUXTON ; MARK SHERRATT ; MARK RICHARD
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IAN GEOFFREY WHITE ; HUNT ANDREW ; HENRY HADFIELD ROBERT ; HENDRIK JOHAN ARNOUT
NIEUWENHUIS ; HALLAM WRIGHT PETER ; HADFIELD ROBERT ; GEOFFREY WHITE IAN ; GAETA TONY ;
GAETA TONI ; GAETA ANTONIO MARTIN ; GAETA ANTONIO M ; GAETA ANTONIO ; FRANCIS SIDDONS
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SMITH ; COLLINSON MIKE ; BUXTON MARK STUART ; BOUNDY PAUL ; BONDY PAUL ; P H WRIGHT ;
MOORE ROBIN KEITH ; MOORE ROBIN ; MOLE ROBIN ; MARTIN GAETA ANTONIO ; JEREMY FRANCIS
SIDDONS ; ANDREW HUNTER ; ANDREW HUNT ; AN YUAN ; ANTONIO MARTIN GAETA ; ANTONIO
GAETA ; A M GUETTA ; A M GETA

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ANTONIOMARTINGAETA ; ANTONIOGAETA ; JEREMY SIDDONS ; PAUL BONDY ;
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SIMONWHITNEY ; SIMONWHITELEY ; ROBINKEITHMORE ; ROBINKEITHMOORE ; SIEMON WHITELI ;
SIMOUNWHITLEY ; TREVORNEILLORRITT ; TONY GAETA ; TONI GAETA

Agent(s): CROSS JAMES PETER ARCHIBALD ; PATENT CORPORATE BODY ARCO PATENT OFFICE ; CROSS JAMES ;
RGC JENKINS AND CO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR
CU CY CZ DE 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
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MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK
SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: ACTIVE COVER PLATE

Abstract: Source: US2013032594A One example embodiment includes a cover plate for an **electrical** receptacle. The cover plate includes a first conducting strip. The first conducting strip protrudes rearward from the cover plate and is configured to contact a first terminal of a receptacle, where the first terminal connects the receptacle to a power source. The cover plate also includes a first insulating means, where the first insulating means prevents the first conducting strip from contacting other conducting materials. The cover plate further includes a second conducting strip. The second conducting strip protrudes rearward from the cover plate and is configured to contact a second terminal of the receptacle, where the second terminal completes the connection of the receptacle to the power source. The cover plate additionally includes a second insulating means, where the second insulating means prevents the second conducting strip from contacting other conducting materials. The cover plate also includes a load.

Classifications:

International (IPC 8-9): C02F1/461 C25B11/02 C25B9/06 F21V33/00 G05F3/02 H01H13/04 H01H21/04 H01H47/00 H01H9/02 H01H9/18 H01R13/00 H01R13/08 H01R13/10 H01R13/447 H01R13/46 H01R13/631 H01R13/66 H01R13/70 H01R13/717 H01R25/00 H01R4/48 H02B1/46 H02G3/00 H02G3/08 H02G3/14 H02G3/18 H05B33/00 H05B33/08 H05B37/00 H05B37/02

H05K5/03 (Advanced/Invention);

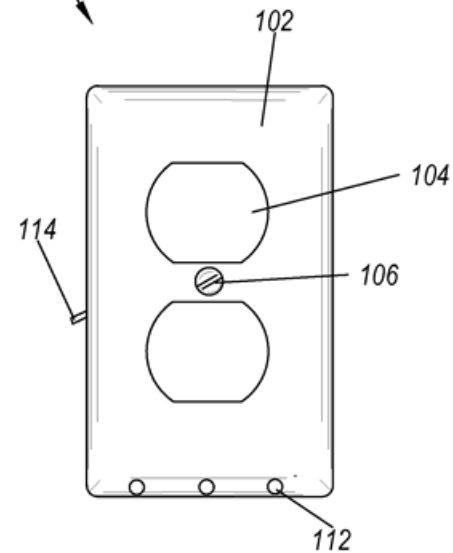
F21Y115/10 H01R103/00 H01R13/447 H01R24/78 (Advanced/Non-invention)

CPC: H01R13/2442 H01R13/35 H01R24/68 H01R13/447 H01R24/78 H01R2103/00 H01R13/701 H01R25/006 H01R13/6675 G05F3/02 H05K5/03 H01R13/10 H01R13/46 H01R13/7175 H01R13/6683 H01R13/665 H01R13/08 H05B33/0812 H05B33/0854 H02G3/18 H01H47/00 H01R4/4809 F21V33/006 H02G3/00 F21Y2115/10 C02F1/461 C25B11/02 H01R13/631 H02G3/081 H02G3/14 C25B9/08 H01H23/04 H01H9/0271 H01H13/04 H01H21/04 H02B1/46 H05B37/0218 H05B33/0806 H05B37/0227 H05B37/0272 H05B33/0803 H05B33/0842 C02F1/46109 C02F2001/46142 C02F2001/46157

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Locarno class: 13/03

PatBase - US2013032594_AA



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Assignee(s): AXINE WATER TECHNOLOGIES INC ; WATKINS SEAN ; FINLINSON JAN ; SNAPRAYS LLC DBA SNAPPPOWER

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Agent(s): SMART AND BIGGAR; SCHWAN SCHORER AND PARTNER MBB; R CAMDEN; ROBINSON R CAMDEN; ROBINSON CAMDEN R; HERMANN'S KARL R ET AL; PATE WARREN M

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

Title: HEATING DEVICE WITH AN INTEGRATED THERMOBLOCK FOR A BEVERAGE PREPARATION MACHINE

Abstract: Source: US2010218684A An in-line heating device for a liquid food or beverage preparation machine in which liquid is circulated through the heating device and then guided into a brewing chamber. This heating device includes a thermoblock with a metal mass that incorporates an inlet, an outlet and a heating chamber extending therebetween to form a passage for guiding the liquid circulating through the mass, with the mass arranged to accumulate heat and to supply heat to the liquid; and one or more **electric** components that are rigidly secured onto or into the thermoblock and that are connected to a printed circuit board or a flex-print arranged to control the thermoblock. The **electric** components are rigidly connected to the printed circuit board or flex-print, in particular via rigid **connector** pins or blades or rigid **plug** and socket members.

Classifications:

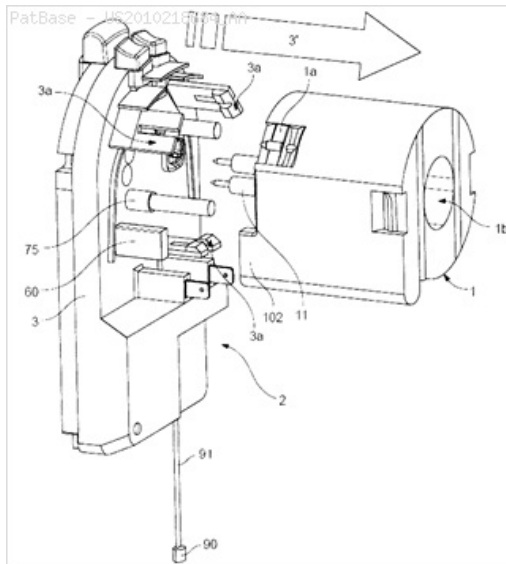
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International (IPC 1-7): A47J031/24 A47J031/36 A47J31/36 A47J31/44 A47J31/54

CPC: A47J31/4457 H01R12/718 F24H1/105 H01H37/52 A47J31/441 A47J31/407 A47J31/58 F04B17/046 F04B53/003 F16L27/1021 F16L37/144 A47J2201/00 A47J31/46 A47J31/4403 A47J31/52 A47J31/3623 A47J31/3676 A47J31/4407 A47J31/4417 A47J31/3628 A47J31/3633 A47J31/369 Y10T29/49904 F24H1/142 H01R12/728 H01R13/111 A47J31/542 A47J31/545 F24H1/101 F24H9/2028 H05K1/18 H05K3/306 H05K2201/10151 H05K2201/10166 H05K2201/10181 H05K2201/10189 H05K2201/10424 H05K2201/105 H05K2201/2036 A47J31/36

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**Family:**

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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 CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN 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 PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: THREE DIMENSIONAL STEERABLE SYSTEM

Abstract: Source: US2001052427A The steering assembly includes upper and lower tubular housings connected by a universal joint. An angle cam is disposed on the end of the lower housing and projects into the upper housing. A plurality of wedge members extend axially from the upper housing and into engagement with the angle cam. Drive trains are connected to the wedge members to move the wedge members toward and away from the angle cam so as to pivot the lower housing at the universal joint and change the angle and azimuth of the lower housing with respect to the upper housing. The lower housing is connected to a bearing pack supporting a drill bit such that upon changing the angle and azimuth of the lower housing, the direction of the drilling of the drill bit is also changed. The steering assembly being connected to composite tubing having conductors in the wall thereof for conducting data and commands between the steering assembly and a processor at the surface and for providing power to the steering assembly. Data on the position of the bit is transmitted to a processor which determines the direction of drilling and selectively transmits commands to the steering assembly to change the bend angle and direction of the drilling of the bit.

Classifications:

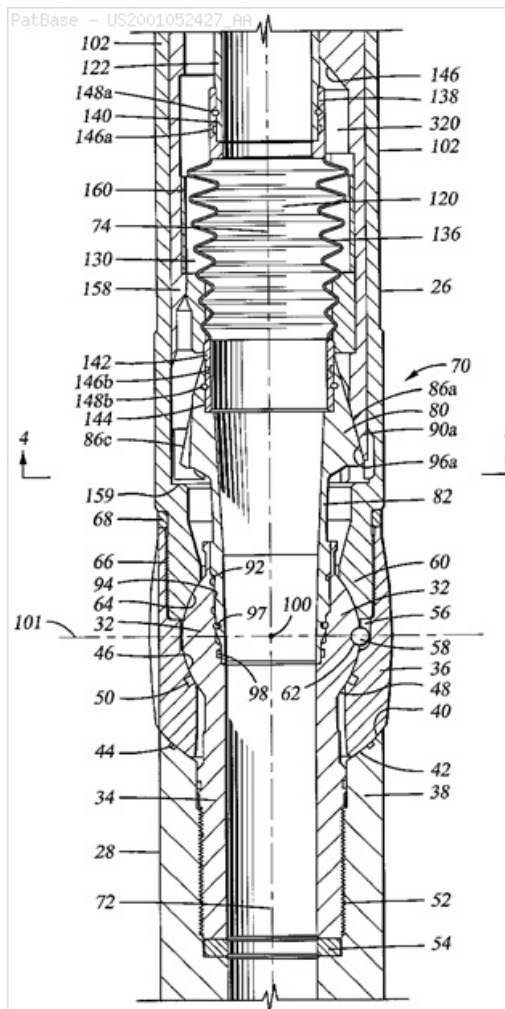
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**Family:**

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

Title: **ELECTRIC** VEHICLE BATTERY SYSTEM

Abstract: Source: US2010071979A The **electric** vehicle includes a battery pack that can be exchanged at a battery exchange station. At the battery exchange station, an at least partially spent battery pack is exchanged for an at least partially charged battery pack. A battery bay is configured to be disposed at an underside of the **electric** vehicle. The battery bay includes a frame which defines a cavity. The cavity is configured to at least partially receive the battery pack therein. The battery bay comprises at least one latch rotatably pivoted about an axis substantially parallel with a **plane** formed by the underside of the vehicle. The latch is configured to lift, retain the battery pack at least partially within the cavity.

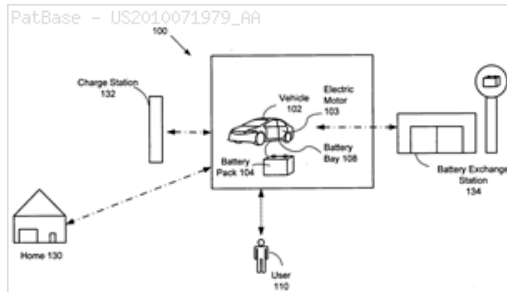
Classifications:

International (IPC 8-9): A61B5/00 A61B5/145 B23P19/04 B60J5/00 B60K B60K1/04 B60L B60L1/00 B60L11/18 B60L3/00 B60P1/04 B60R16/04 B60S3/00 B60S3/04 B60S5/00 B60S5/06 B65F9/00 B65G1/00 B65G15/20 B65G37/00 B65G67/00 E04H5/06 E05D15/06 E05F11/54 E05F15/10 E06B3/00 E06B3/46 F16M13/00 G02B6/38 H01M2/10 H01R13/52 H01R13/62 H01R13/631 H01R13/64 H01R24/76 H01R33/00 H02G3/00 H02J7/00 (Advanced/Invention); B65G1/04 (Advanced/Non-invention); B23P19/04 B60J5/00 B60K1/00 B60K1/04 B60L11/00 B60L11/18 B60R16/04 B60S5/00 E04H5/00 E05F11/00 E05F15/10 E06B3/00 G02B6/38 H01M2/10 H01R13/62 H02J7/00 (Core/Invention); B60K B60L B60S E04H G02B H02J (Subclass/Invention)

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European: B60K1/04 B60L11/18L6 B60L11/18L7C B60L11/18L7J B60L11/18L7J12 B60L11/18M34D B60L11/18M36 B60L11/18M38 B60S5/06 H01M2/10C4C L60K1/04A11 L60K1/04C5 L60L200/26 L60L220/30 S02B6/38D2J Y02E60/12 Y02T10/70B Y02T10/70B2 Y02T10/70B4 Y02T10/70H4 Y02T10/70J Y02T90/12F Y02T90/12H Y02T90/12L Y02T90/14 Y02T90/16 Y02T90/16D

US: 180/65.1 180/65.21 180/65.210S 180/65.29 180/65.290S 180/68.5 180/68.500P 198/604 248/346.01 248/346.010S 29/426.1 29/426.100S 307/10.1 307/9.1 320/104 320/109 320/109P 403/33 403/33S 414/281 414/288 414/389 414/398 414/401 414/468 414/471 414/512 414/572 414/800 414/800S 414/806 414/806P 429/100 429/100P 429/90 429/90S 429/98 429/98S 439/247 439/299 439/299P 439/34 439/34P 439/374 49/360 49/360S 49/404 49/404S 49/506 49/506S 600/300 600/365 903/904 903/904S

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: CHARGE PEAK LTD

Assignee(s): (std):	FULLAM SCOTT ; DRYSDALE RICHARD LEE ; BOGARD TRAVIS AUSTIN ; LUNA MICHAEL ; DONALDSON THOMAS ALAN ; ALIPHCOM ; BETTER PLACE GMBH ; HEICHAL YOAV ; ROBINSON JEREMIAH ; RAHMAN HOSAIN SADEQUR ; UTTER II MAX EVERETT ; RENAULT SAS ; AGASSI SHAI ; AGASSI TAL
Assignee(s):	AGGASI SHAI ; HEICHIL YOAV ; CHARGE PEAK LTD ; BLACKROCK ADVISORS LLC ; CHARGE PEAK LTD ROAD TOWN
Inventor(s): (std):	AGASSI TAL T ; AGGASI SHAI ; BOGARD TRAVIS AUSTIN ; DONALDSON THOMAS ALAN ; DRYSDALE RICHARD LEE ; FULLAM SCOTT ; HEICHAL YOAV Y ; HEICHIL YOAV ; LUNA MICHAEL ; RAHMAN HOSAIN SADEQUR ; ROBINSON JEREMIAH ; TAL AGASSI ; UTTER II MAX EVERETT ; YOAV HEICHAL ; SHAI AGASSI ; HEICHAL YOAV ; AGASSI TAL ; AGASSI SHAI ; AGASSI SHAI S
Inventor(s):	AGASSI TAL HOD HASHARON ; AGASSI SHAI PALO ALTO ; THE DESIGNATION OF THE INVENTOR HAS NOT YET...
Agent(s):	FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; FPA PATENT ATTORNEYS PTY LTD; FASKEN MARTINEAU DUMOULIN LLP; MARKS AND CLERK LUXEMBOURG LLP; PALMER JONATHAN R; REINHOLD COHN AND PARTNERS; MORGAN LEWIS AND BOCKIUS LLP; GREENBERG TRAURIG LLP; MORRIS ELIZABETH M ET AL
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 CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN 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 PE 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

Title: ELECTRONIC CONNECTOR

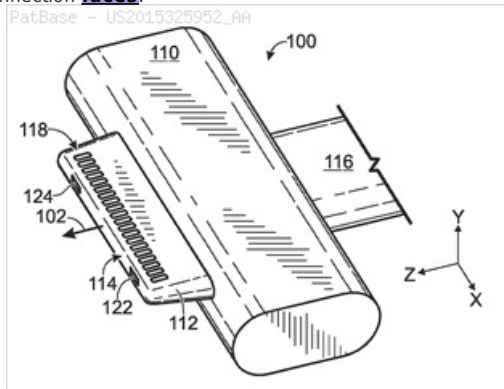
Abstract: Source: US2015325952A An electronic connector includes a base, a tapered extension protruding from the base, and a nose forming a terminal end of the tapered extension. The tapered extension includes first and second connection faces tapering toward each other from the base to the nose symmetrically about a first symmetry plane. The tapered extension further includes first and second flank surfaces that form respective opposing sides of the tapered extension between the first and second connection faces. The first and second flank surfaces may taper toward each other from the base to the nose symmetrically about a second symmetry plane. The tapered extension further includes power and ground electrical contacts located along the first and second connection faces.

Classifications:

International (IPC 8-9): H01R H01R107/00 H01R12/91 H01R13/26 H01R13/62 H01R13/629 H01R13/631 H01R13/639 H01R13/64 H01R13/6471 H01R13/648 H01R13/652 H01R13/6581 H01R24/60 H02J7/00 (Advanced/Invention); H01R107/00 H01R13/631 H01R13/6471 H01R13/652 (Advanced/Non-invention); H01R107/00 H01R13/631 H01R13/652 (Core/Invention); H01R (Subclass/Invention)

CPC: H02J7/0042 H01R13/648 H01R12/91 H01R13/26 H01R13/62 H01R13/629 H01R13/6205 H01R13/6315 H01R13/6471 H01R13/652 H01R24/60 H01R2107/00

US: 1/1 320/107 439/108 439/374 439/39 439/660



Family:

Publication number	Publication date	Application number	Application date
AU2015256407 AA	20151112	AU20150256407	20150501
BR112016024275 A2	20170815	BR20161124275	20150501
CA2946589 AA	20161020	CA20152946589	20150501
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MX2016014362 A1	20170120	MX20160014362	20150501
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US2015325953 AA	20151112	US20150731813	20150605
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US9843137 BB	20171212	US20150731813	20150605
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ZA201606709 A	20171220	ZA20160006709	20150501

Priority:

US20140272361 20140507 US20140312553 20140623 US20150731813 20150605
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Probable Assignee: MICROSOFT TECHNOLOGY LICENSING LLC

Assignee(s): (std): MICROSOFT CORP ; MICROSOFT TECHNOLOGY LICENSING LLC

Assignee(s): TOMKY BRETT ; EVANS DUANE MARTIN ; MCCracken IVAN ANDREW

Inventor(s): (std): BRETT TOMKY ; DUANE MARTIN EVANS ; EVANS DUANE MARTIN ; IVAN ANDREW MCCracken ; MCCracken IVAN ANDREW ; TOMKY BRETT

Agent(s): DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; ESTUDIO VILLASECA Y CIA; LUZ HELENA ADARVE GOMEZ; GODDAR HEINZ J; LANNY SETIAWAN MBA MGMT MA LPC MA LMFT; OHNUKI SHINSUKE; ITOH TADAHIKO; ITOH TADASHIGE; MICKY; JEREMY; JUDY; ALLEMAN HALL CREASMAN AND TUTTLE LLP

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

Title: SCALABLE HIGH-BANDWIDTH CONNECTIVITY

Abstract: Source: US2012286049A A scalable, high-bandwidth connectivity architecture for portable storage devices and memory modules may utilize EHF communication link chip packages mounted in various two-dimensional and three-dimensional configurations on planar **surfaces** such as printed circuit boards. Multiple electromagnetic communication links between devices distributed on major **faces** of card-like devices may be provided with respectively aligned pairs of communication units on each device. Adjacent communication units on a printed circuit board may transmit or receive electromagnetic radiation having different polarization, such as linear or elliptical polarization. Power and communication between communication devices may both be provided wirelessly.

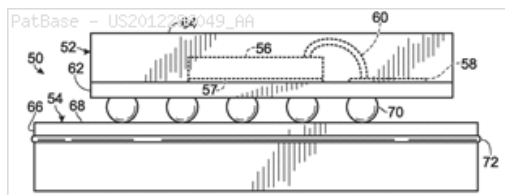
Classifications:

International (IPC 8-9): G06F13/28 G06K19/06 G06K19/07 G06K19/073 G06K19/077 H01L23/12 H01L23/48 H01L23/495 H01L23/552 H01L23/60 H01L23/66 H01L25/00 H01L25/04 H01L25/065 H01L25/07 H01L25/18 H01Q1/22 H01Q1/36 H01Q1/38 H01Q1/40 H01Q1/48 H01Q1/52 H01Q21/24 H01Q23/00 H01Q5/25 H01Q7/00 H01Q9/04 H01Q9/26 H01R12/70 H01R12/71 H01R13/6581 H01R13/719 H03H7/00 H04B1/18 H04B1/38 H04B1/40 H04B15/00 H04B15/02 H04B17/00 H04B5/00 H04B5/02 H04B7/00 H04B7/24 H04L12/26 H04L29/02 H04L29/12 H04W12/06 H04W4/00 H05K1/02 H05K1/11 H05K1/14 H05K1/18 H05K7/02 H05K9/00 (Advanced/Invention); H01L23/00 H01L23/66 H05K1/14 H05K1/18 (Advanced/Non-invention)

CPC: H01Q21/24 H01Q1/36 H01L2224/48195 H01L2224/49111 H01L2224/49171 H01L2924/15173 H01Q1/2275 H01L2924/13091 H01L23/3128 H01L24/49 H02J5/005 H05K2201/10159 H01L23/645 H01L25/16 H01Q1/38 H01Q1/40 H01Q9/26 H01Q21/28 H01L23/49541 H05K1/165 H05K2201/09618 H05K2201/0969 H05K9/056 H01L2924/00012 H01L2924/00 H01L23/48 H01L24/16 H01L24/32 H01L24/48 H01L2924/10253 H01Q7/00 H01Q9/265 H01Q23/00 H05K1/144 H05K1/181 H05K9/0056 H05K2201/0723 H05K2201/10522 H04B1/18 H01L2924/30111 H01L23/60 H01L23/495 H01L23/4951 H05K1/0239 H05K1/0243 H05K1/142 H05K2201/10098 H05K2201/10446 H01L23/552 H01L23/66 H01L2223/6677 H01L2224/16225 H01L2224/16245 H01L2224/32225 H01L2224/32245 H01L2224/48247 H01L2924/3011 H01L2924/3025 H01L2224/48091 H01L2224/48227 H01L2224/73265 H01L2924/14 H01L2924/15311 H01L2924/181 H04B5/0081 H04W12/06 H04B15/02 H04L43/16 H01Q9/0485 H04B5/0031 H04B15/00 H01L2924/00014 H01Q1/2283 H01Q1/525 H01Q1/48 H01Q5/25 H04B5/0037 H04B5/00 H04B1/40 H01Q1/2291 H02J7/025 H02J50/10 H01L24/73 H04W4/80

European: H04B5/00P2 H04B5/00P4

US: 1/1 235/492 257/531 342/361 343/700MS 343/776 343/787 343/893 375/219 438/104 438/107 455/39 455/41.1 455/41.2 455/63.1 455/90.2 710/303

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: KEYSSA INC

Assignee(s): (std): KEYSSA INC ; KYLES IAN A ; MCCORMACK GARY D ; WAVECONNEX INC

Inventor(s): (std): GARY D MCCORMACK ; IAN A KYLES ; ISAAC ROGER D ; KYLES IAN A ; MCCORMACK GARY D

Agent(s): HOEFER AND PARTNER; BOULT WADE TENNANT; MORRALL JONATHAN IAN MCLACHLAN; KAWAMOTO KAZUYA; SHIMIZU HATSUSHI; OSAKABE SUGURU; KOLISCH HARTWELL PC; FENWICK AND WEST LLP; VAN COURT AND ALDRIDGE LLP; COOPER DAVID P; ANDERSON EDWARD B ET AL; VAN COURT ANDREW ET AL

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

Title: **ELECTRICAL** INTERCONNECTION SYSTEM AND DEVICE

Abstract: Source: US5904581A An interconnection providing multiple **electrical** interconnections at a fine pitch can be formed in a **pluggable** and unpluggable form using multiple **connector** channels and rows of contact elements in each of a **plug** and socket. The contacts may be a mixture of active and passive contacts. Furthermore, a contact support structure may provide improve spring characteristics in the contacts. The contacts may be formed in a number of configurations including vertical staggering, alternating or offset patterns, multi-level tail exit designs, rotated contacts, staggered or nonalign retention features and dedicated power contacts. Anchors or permanent latches, separable latches, and polarization keys may also be utilized. Alternative embodiments may include straddlemount and attachment clip embodiments.

Classifications:

International (IPC 8-9): H01R12/16 H01R12/22 H01R12/71
H01R13/46 H01R13/627 H01R13/64 H01R24/00 (Advanced/Invention);
H01R107/00 H01R13/432 (Advanced/Non-invention);
H01R13/627 H01R13/64 (Core/Invention)

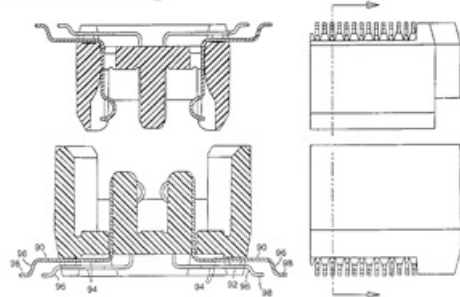
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CPC: Y10S439/953 H01R13/20 H01R13/6471 H01R13/6473
H01R24/60 H01R12/716 H01R12/721 H01R12/7023 H01R12/57
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European: H01R13/627D H01R13/627K H01R13/64 H01R23/70A2A2
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T01R23/70A2A4 T01R23/70A2S T01R23/70B T01R23/72K

US: 439/59 439/660 439/74 439/953

PatBase - US5904581_A



Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: 3M CO

Assignee(s): (std): MINNESOTA MINING AND MFG ; 3M CO

Assignee(s): MINNESOTA MINING AND MANUFACTURING COMPANY ; MINNESOTA MINING AND MANUFACTURING COMPANY ST PAUL ; MINNESOTA MINING AND MFG CO ; MINNESOTA MINING AND MFG CO It 3M gt ; MINNESOTA MINING AND MFG CO ST PAUL

Inventor(s): (std): CHERNEY M ; HARDCASTLE S ; POPE A ; SCHMIDT K ; SCHMIDT JUERGEN K ; POPE RICHARD A ; PLOEHN GUENTER ; PLOEHN GUENTER ; HARDCASTLE DAVID S ; GONZALEZ ADALBERTO ; GONZALEZ ADALBERTO ; GONZALES ADALBERTO ; CHERNEY THOMAS M

Agent(s): TSURUTA JUNICHI; NISHIYAMA MASAYA; HIGUCHI SOTOJI; ISHIDA TAKASHI

Designated states: AT BE CH DE DK ES FI FR GB GR IE IT JP LU MC NL PT SE

Title: SYSTEMS AND METHODS FOR PROVIDING **ELECTRIC** POWER TO MOBILE AND ARBITRARILY POSITIONED DEVICES

Abstract: Source: US2004195767A Various contact systems and methods for manufacturing and using such are disclosed herein. Examples of the contact systems include a **surface** with one set of pads biased at a first voltage level, and another set of pads biased at a second voltage level. Such a contact system can be used, for example, to transfer power to an electromechanical device disposed thereon. In one particular example, the electromechanical device can include a power storage element and two or more couplings. When one of the couplings contacts a pad biased at the first voltage level, and another of the couplings contacts a pad biased at the second voltage level, a circuit is completed where some derivative of the differential between the first voltage level and the second voltage level is placed across the power storage element. Completion of the circuit causes the power storage element to charge. Power can be drawn from the power storage element to operate the electromechanical device.

Classifications:

International (IPC 8-9): A63F13/00 A63F3/00 A63F9/24 A63H18/12 B60L5/00 B60M7/00 G01S5/04 H01B5/14 H01R13/22 H01R13/66 H01R25/14 H01R29/00 H02H11/00 H02J11/00 H02J17/00 H02J4/00 H02J7/00 H02J7/02 H02J7/06 H02J7/35 H02M3/315 H05K1/00 H05K7/14 (Advanced/Invention);

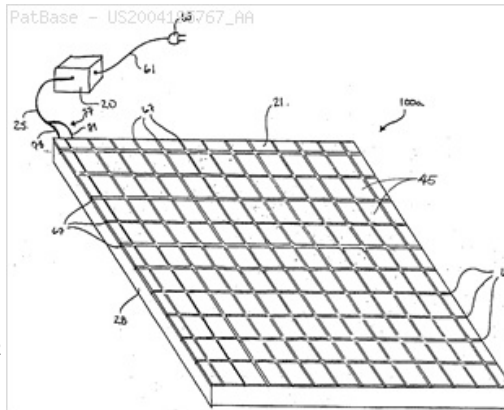
A63F3/00 H01B5/14 H01R13/22 H01R13/66 H02J17/00 H02J7/00 H02J7/06 H02J7/35 H02M3/24 H05K1/00 H05K7/14 (Core/Invention); H02J (Subclass/Invention)

International (IPC 1-7): A63F3/00 A63F9/24 H02J7/06 H02M3/24 H02M3/315

CPC: G06F1/181 G06F1/266 H04M1/0262 A63F2009/2404 A63F2009/2407 A63F2009/2439 A63F2009/2442 A63F2009/2457 A63F2009/247 A63F2009/2494 Y10S439/95 A63H18/12 A63F3/00643 H01R12/714 H05K1/189 G06F1/1626 G06F1/1656 H01M10/443 H01M10/486 H02J7/0055 G06F1/1616 G06F1/1632 G06F1/1635 G06F1/26 G06F1/263 G06F3/0395 H01M10/42 H01M10/44 H01R13/22 H01R13/6205 H01R25/147 H02J7/0045 Y10T307/675 H02J50/05 H02J50/10 H02J50/20 H02J50/30 H02J50/40 H02J50/90 H02J7/025

European: A63F3/00E A63F9/24 A63H18/12 G06F1/16P1F G06F1/16P3 G06F1/16P6 G06F1/16P9B G06F1/16P9E G06F1/18E G06F1/26 G06F1/26B G06F1/26P G06F3/039M H01M10/44 H01M10/44D H01M10/48D H01R13/62A H01R23/72B H01R25/14L H02J7/00E2 H02J7/00G2 H02J7/02B1 H04M1/02A14B T01M10/42 T01M10/44 T01R13/22 T05K1/18F Y02E60/12 Y02T90/12D

US: 273/237 273/237P 273/238 273/238S 273/441 273/454 273/455 307/104 307/104S 307/147 307/147S 307/149 307/149S 307/150 307/326 307/326P 307/75 318/568.12 320/107 320/107P 320/108 320/113 320/115 320/137 320/137S 320/138 320/138S 439/188 439/188S 439/504 439/77 439/77P 439/950 455/456.1 455/456.100S 463/62 463/63 472/86



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JP2007514399 T2	20070531	JP20060544073T	20041210
JP2010520741 T2	20100610	JP20090552867T	20080305
JP2010526423 T2	20100729	JP20100507590T	20080505
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KR20100048961 A	20100511	KR20097025241	20080505
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US2004195767 AA	20041007	US20030732103	20031210
US2007194526 AA	20070823	US20070672010	20070206
US2008246215 AA	20081009	US20070670842	20070202
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Priority:

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Probable Assignee: CHILDLIKES INC

Assignee(s): (std): MITCH RANDALL ; RANDALL MITCH ; PURE ENERGY SOLUTIONS INC ; PURE ENERGY INC ;
PUREENERGY SOLUTIONS INC ; CHILDLIKES INC

Assignee(s): FLICHARGE INT INC ; FORM HOLDINGS CORP ; VRINGO INC ; WILDCHARGE INC

Inventor(s): (std): MITCH RANDALL ; RANDALL MITCH

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY
LTD; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER ANWALTSSOZIETAET; COCHRAN
FREUND AND YOUNG LLC; JAMES R; JAMES B; YOUNG JAMES R ET AL

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
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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 VC VN YU ZA ZM ZW

Title: METHOD AND APPARATUS FOR PROVIDING POWER TO A MICROPROCESSOR WITH INTEGRATED THERMAL AND EMI MANAGEMENT

Abstract: Source: US2001032738A A microprocessor packaging architecture using a modular circuit board assembly that provides power to a microprocessor while also providing for integrated thermal and electromagnetic interference (EMI) is disclosed. The modular circuit board assembly comprises a substrate, having a component mounted thereon, a circuit board, including a circuit for supplying power to the component, and at least one conductive interconnect device disposed between the substrate and the circuit board, the conductive interconnect device configured to **Electrically** couple the circuit to the component.

Classifications:

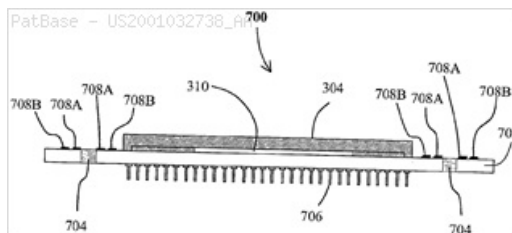
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International (IPC 1-7): B63B E02B17/00 E02D29/09 F28F7/00 G05F1/613 G06F1/26 H01B17/06 H01L23/00 H01L23/32 H01L23/34 H01L23/427 H01L23/48 H01R12/00 H01R12/04 H01R12/16 H01R9/09 H02B1/00 H02G3/08 H02M3/158 H05K1/00 H05K1/02 H05K1/11 H05K1/14 H05K1/16 H05K1/18 H05K3/34 H05K3/36 H05K7/00 H05K7/10 H05K7/12 H05K7/14 H05K7/20 H05K9/00

CPC: H01L23/3672 H05K7/20454 H01R9/096 H01R12/7082 H01R12/7088 H01R12/721 H05K7/20509 H01L2924/15311 H01L2924/3025 G06F1/206 H01L23/4093 H01L24/72 H01L2224/16 H01L2224/73253 H01L2924/01005 H01L2924/01013 H01L2924/01015 H01L2924/01019 H01L2924/01029 H01L2924/01074 H01L2924/01082 H05K1/0262 H05K2201/1053 H01L2924/01078 H01L2924/01079 H02M3/158 H01L2224/16225 H01L2224/32245 H01L2224/32225 H01L2224/73204 H01L2924/16251 H01L2924/15312 H01L2924/09701 H01L2924/10253 H01L2924/19105 G06F1/20 H01L23/433 H01R12/57 H01R13/24 H05K1/182 H05K2201/10189 H05K2201/10689 H01L2924/0002 H05K7/1092 G06F1/18 G06F1/182 G06F1/189 H01L23/427 H01L2924/15192 H01L2924/3011 H01R4/64 H01R12/52 H05K2201/2036 Y10T29/49124 H01L2224/92125 H01L2924/15174 F28D15/0233 F28D15/04 H01L2924/00014 H05K2201/042

European: G06F1/18 G06F1/18E2 G06F1/18V G06F1/20 G06F1/20T H01L23/367F H01L23/40S H01L23/427 H01L23/433 H01L24/72 H01R23/68C H01R4/64 H01R9/09F H02M3/158 H05K1/14B H05K1/14D H05K3/36D H05K7/10G H05K7/20F2 H05K7/20F4B2 H05K7/20F6 T01L224/16 T01L224/73253 T01L924/01013 T01L924/01015 T01L924/01029 T01L924/01074 T01L924/01078 T01L924/01079 T01L924/15192 T01L924/15311 T01L924/15312 T01L924/30110 T01L924/30250 T01R12/57 T01R13/24 T01R23/68E T01R23/70B T05K1/02B2B2 T05K1/02C6D T05K1/02C8 T05K1/14D T05K1/18C T05K201/10A24 T05K201/10B12A T05K201/10B13 T05K201/10C12 T05K201/10C2C T05K201/10D1I T05K201/10D1K T05K201/10D1O T05K201/20B T05K201/20D T05K3/30B T05K3/36D

US: 165/104.26 165/104.33 165/185 165/80.03 165/80.3 165/80.300S 165/80.4 174/15.2 174/15.200S 174/15.52 174/16.3 174/252 174/257 174/260 174/261 174/52.1 174/52.21 174/557 257/686 257/686S 257/691 257/696 257/697 257/697S 257/706 257/713 257/714 257/715 257/717 257/718 257/718.8 257/718P 257/719 257/722 257/726 257/727 257/E23.086 257/E23.086S 257/E23.088 257/E23.088S 257/E23.09 257/E23.090S 257/E23.103 257/E23.103S 29/829 29/829P 323/225 323/225.5 323/225P 327/540 361/18 361/601 361/601P 361/697 361/699 361/699S 361/700 361/700S 361/702 361/702.2 361/702P 361/704 361/704.4 361/704P 361/707 361/709 361/709.9 361/709S 361/710 361/711 361/711.1 361/711P 361/715 361/717 361/717S 361/718 361/719 361/719P 361/719S 361/72 361/720 361/720P 361/720S 361/721 361/749 361/760 361/761 361/761.1 361/761P 361/767 361/767S 361/769 361/769S 361/77 361/770 361/770S 361/772 361/782 361/784 361/784.4 361/784P 361/785 361/785S 361/786 361/786P 361/787 361/789 361/789S 361/790 361/799 361/803 361/803.3 361/803P 361/804 361/804S 361/810 361/818 361/818S 439/108 439/108.8 439/108S 439/66 439/66P 439/66S 439/67 439/67.7 439/67P 439/74 439/74.4 439/74P 439/74S



Family:

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Probable Assignee: MOLEX LLC

Assignee(s): (std): INCEP TECHNOLOGIES INC ; HOGE CARL E ; HARTKE DAVID H ; INCEPTECHNOLOGIES INC ; FMC TECHNOLOGIES ; INCEP TECHNOLOGIES ; MOLEX INC ; KASKADE JAMES J HJERPE ; DERIAN EDWARD J ; DIBENE II JOSEPH T ; SAN ANDRES JOSE B ; RIEL JOSEPH S ; RAISZADEH FARHAD

Assignee(s): SAN ANDREAS JOSE B ; MOLEX LLC ; TE CONNECTIVITY CORP ; DIBENE J TED ; DIBENE JOSEPH T ; DIBENE JOSEPH TED ; DIBENE JOSEPH TED II ; BRODER JAMES M ; JOHNSON WENDELL C ; HJERPE KASKADE JAMES ; HARTKE DAVID ; KASKADE JAMES HJERPE ; FMC TECHNOLOGIES INC

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Inventor(s): HOGE CARL ; EDWARD J DERIAN ; DIBENE JOSEPH ; DERIAN EDWARD ; JOSEPH S RIEL ; JOSE B SAN ANDREAS ; JAMES M BRODER ; ROY H COTTRELL ; KASKADE JAMES J ; DIBENE ; CARL E HOGE ; II JOSEPH T ; II JOSEPH TED ; JAMES HJERPE KASKADE ; DIBENE JOSEPH TII

Agent(s): SIM AND MCBURNEY; LEYDIG VOIT AND MAYER LTD; MOLEX INC; KNOBBE MARTENS OLSON AND BEAR LLP; CHARLES S; TIMOTHY M

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 CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP 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 SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Title: STYLUS FOR ELECTRONIC DEVICES

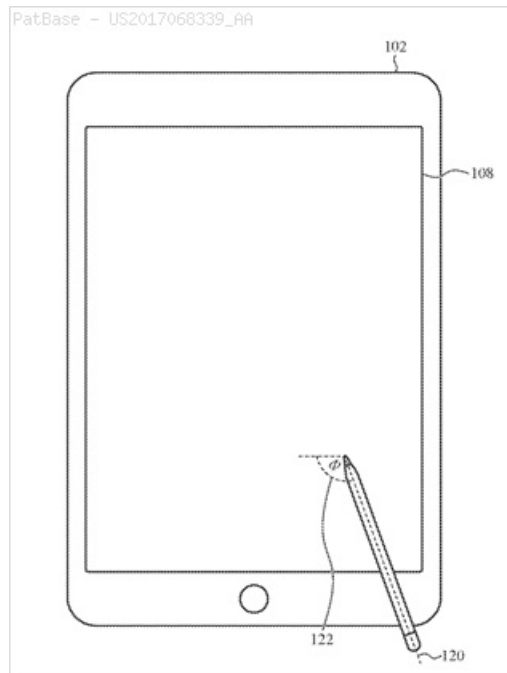
Abstract: Source: US2017068339A A user input system including a stylus and an electronic device. A user may manipulate the stylus across an input **surface** of the electronic device and the movement may be detected using axially-aligned **electric** fields generated by the stylus. The stylus may also include a force-sensitive structure that can be used to estimate a force applied to the electronic device by the stylus.

Classifications:

International (IPC 8-9): G06F3/0354 G06F3/038 G06F3/041
H01R11/01 H01R13/56 H01R13/58 H01R13/62 H01R13/627
H01R13/631 H01R24/60 H01R24/62 H01R43/20 (Advanced/Invention);
H01R107/00 H01R13/508 H01R13/58 (Advanced/Non-invention)

CPC: H01R13/5845 H01R24/60 H01R2107/00 G06F3/0383
G06F3/03545 G06F3/0414 G06F3/0416 G06F2203/04105
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US: 345/179



Family:

Publication number	Publication date	Application number	Application date
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US2017133787 AA	20170511	US20160260239	20160908
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Priority:

US20150215620P 20150908	US20150254084P 20151111	US20160259822 20160908
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Probable Assignee: APPLE INC

Assignee(s): (std): APPLE INC

Inventor(s): (std): AMINI MAHMOUD ; ARMENDARIZ KEVIN ; BAUGH BRENTON A ; BOHNEY NATHAN ; BROOKS RYAN P ; PASMA CHRISTOPHER ; WONG WINGSHAN ; ZIMMERMAN AIDAN N ; WINGSHAN WONG ; RYAN P BROOKS ; NATHAN BOHNEY ; MAHMOUD AMINI ; KEVIN ARMENDARIZ ; KASHANI MANI RAZAGHI ; CHRISTOPHER PASMA ; CAMERON PETER J ; BRENTON A BAUGH ; AMINI MAHMOUD R ; AIDAN N ZIMMERMAN

Inventor(s): R AMINI, MAHMOUD R. ; P BROOKS, RYAN P. ; A BAUGH, BRENTON A.

Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP; HEMENWAY S CRAIG ET AL; ZIGMANT JOHN MATTHEW ET AL

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

Title: **ELECTRICAL CONNECTOR** ASSEMBLY, ESPECIALLY FOR **ELECTRIC** VEHICLE

Abstract: Source: US5344330A An **electrical connector** assembly for transmitting **electrical** energy, and especially designed for use with **electric** vehicles. The **electrical connector** assembly includes a **male electrical connector** or **plug** with **electrical** contacts and a female **electrical connector** or receptacle with mating **electrical** contacts. Both the receptacle and the **plug** has a cover for selectively covering and uncovering its **electrical** contacts to prevent inadvertent contact with the **electrical** contacts and to protect the **electrical** contacts from the environment. In the preferred embodiment, the covers of the **plug** and receptacle are automatically uncovered and the receptacle contacts are moved transversely to the **plug** insertion direction and into contact with the **plug** female contacts only after full insertion of the **plug** into the receptacle. The **plug** can be inserted into the receptacle with little or no force by the user since the contacts of the **plug** and receptacle are not **electrically** coupled together until after full insertion of the **plug** into the receptacle. In an alternate embodiment, the **electrical connector** assembly is provided with a break-away feature which disconnects the contacts of the receptacle from the contacts of the **plug** to prevent damage of the **electrical connector** assembly, upon application of a highly excessive force pulling the **plug** away from the receptacle prior to disengagement of the contacts.

Classifications:

International (IPC 8-9): B60L11/18 B60R16/02 H01R13/453
H01R13/52 H01R13/53 H01R13/629 H01R13/633 H01R13/641
H01R29/00 H02H5/10 H02J7/00 (Advanced/Invention);
H01R13/24 H01R13/631 H01R13/633 (Advanced/Non-invention);
B60L11/18 B60R16/02 H01R13/44 H01R13/52 H01R13/629
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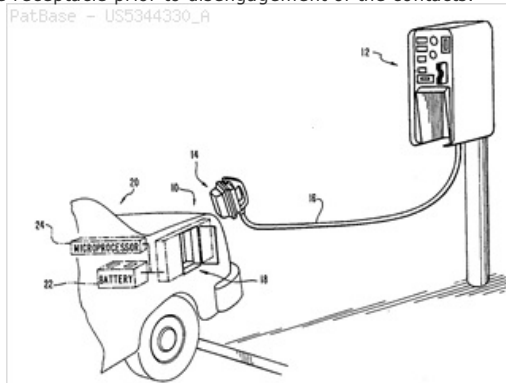
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H02J7/00

CPC: Y10S439/955 B60L2270/32 B60L2270/34 B60L11/1846
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European: B60L11/18L4A B60L11/18L7A B60L11/18L7J12 B60L11/18L7J8 B60L11/18M36 B60R16/02 H01R13/453
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Y02T90/16F4 Y04S30/14

US: 200/51.09 220/3.8 320/109 320/2 439/138 439/142 439/188 439/310 439/376 439/474 439/955 D13/133 D13/146

PatBase - US5344330_A



Family:

Publication number	Publication date	Application number	Application date
CA2129873 AA	19950303	CA19942129873	19940810
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Priority:

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Probable Assignee: HUBBELL INC

Assignee(s): (std): HUBBELL INC ; HUBELL INC

Assignee(s): HUBBELL INC ORANGE CONN US ; ANTHONY JOHN C ; HOFFMAN ERNEST G

Inventor(s): (std): ANTHONY JOHN ; ANTHONY JOHN C ; HOFFMAN ERNEST ; HOFFMAN ERNEST G

Inventor(s): HOFFMAN ERNEST G MIDDLEFIELD CT 06455 US ; ANTHONY JOHN C FAIRFIELD CT 06432 US

Agent(s): FINLAYSON AND SINGLEHURST

Designated states: AT BE CA CH DE DK ES FR GB GR IE IT JP KR LU MC NL PT SE

Title: ATTACHABLE DEVICE WITH FLEXIBLE ELECTRONIC DISPLAY ORIENTATION DETECTION

Abstract: Source: US2015227245A An attachable article, such as a wristband, includes a flexible electronic display disposed thereon in a manner that is bendable or conformable to a user's wrist or other curved **surface** and that enables various images to be displayed on the electronic display in a manner that makes these images easily viewable to the user. The attachable article includes an adjustable band that can be fit to different sized wrists, for example, and includes a band orientation detection and calibration routine that enables messages or display screens to be placed at particular locations on the band with respect to a user's wrist. For example, the display orientation detection and calibration routine may be used to determine the portions or positions of the display that are at the top of the user's wrist and at the bottom of the user's wrist, and may thereafter calibrate the display to center display screens on the display at these particular locations.

Classifications:

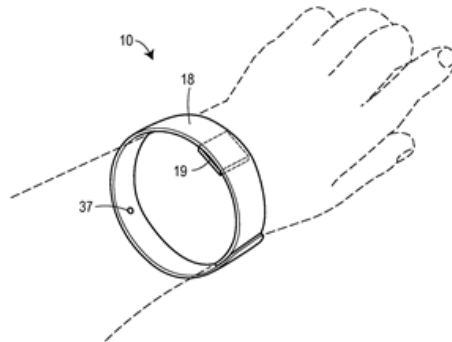
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CPC: G04G9/04 G04G17/08 G06F1/1677 G06F1/1679 G02F1/13452 G09G2380/02 G06F3/014 G06F2203/04103 G06F1/1684 G06F1/1698 G06F3/0487 H01L51/50 A47G19/2227 H01L27/3297 H01L51/0097 A44C5/0015 A44C5/0053 G02F1/133305 H05K5/0226 H05K5/0017 Y02E10/549 H05K1/028 A43B3/0005 A43B3/001 A43B23/24 G06F1/1632 H01R23/7042 H05K1/14 H05K5/0291 H05K2201/041 H05K2203/167 G09F21/02 G09F21/026 H05K1/0281 H05K2201/029 G06F3/042 A44C5/2071 A45F5/00 G04B37/1486 G06F3/04845

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US: 313/511 345/156 345/173 345/174 345/175 345/650 361/679.03 361/749

PatBase - US2015227245_AA

**Family:**

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