

Search history

Search 1: TAC=(backpack and light and charger) (Results 32)

Title: ENERGY BATTERY BAR HAVING A PLUG-IN SYSTEM, WHICH CAN BE COMBINED (PLUGGED TOGETHER) TO PRODUCE ANY DC VOLTAGE, AND IS PORTABLE ON A BELT, AS A POCKET OR AS A CASE OR RUCKSACK

Abstract: Source: DE3432294A1 The invention relates to a portable energy source which is designed as a battery bar and is based predominantly on gas-tight nickel-cadmium or lead batteries. Virtually any voltage and capacity can be produced by means of a plug-in system. In the same way, defective batteries can be replaced, either as relatively small battery units or as individual cells (with the aid of a battery testing and sorting apparatus). The total voltage can be set as desired by plugging basic battery bars together and lengthening them and, if required, a complete range of apparatuses can be operated using a small number of batteries. The energy source is intended for electrical tools and apparatuses having a relatively high power consumption. It allows the batteries to be charged in a protective "normal charging" mode as well as allowing a "rapid charging" mode to be carried out without problems (the contact for PTC or NTC is positioned in the centre of the plug). This plug connects the battery bar either to the apparatus (tool) or charging apparatus, or to other battery bars. The plug having a solar cell as a unit (solar-battery readiness maintenance) guarantees the battery bar is in the full charge state, without any cord, over a relatively long time (the **light** is converted into electrical current and is supplied to the battery where it compensates for the relatively high self-discharge of the battery).

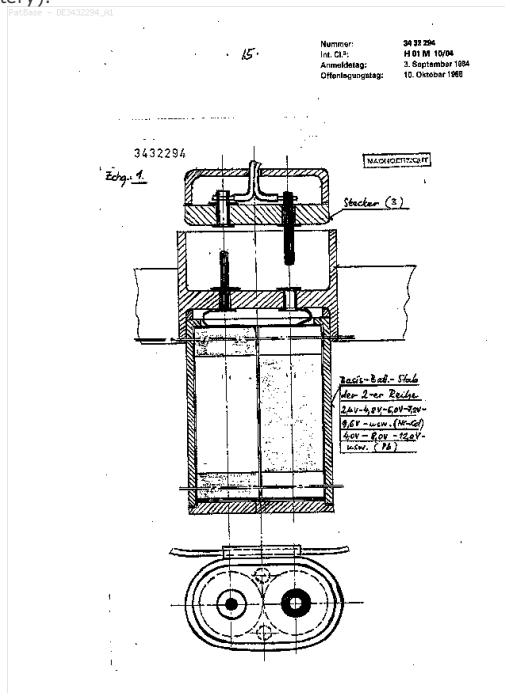
Classifications:

International (IPC 8-9): A45F5/02 H01M10/46 H01M2/10 H01M2/20 H01M6/42 (Advanced/Invention);

A45F5/00 H01M10/42 H01M2/10 H01M2/20 H01M6/42 (Core/Invention)
International (IPC 1-7): A41F9/00 A45F5/02 H01M10/04 H01M10/26 H01M2/02 H01M2/10 H01M6/42

CPC: H01M2/20 H01M2/10 H01M6/42 H01M10/46 A45F5/02
A45F5/021 H01M2/1005

European: A45F5/02 A45F5/02B H01M10/46 H01M2/10 H01M2/10B
H01M2/20 H01M6/42 Y02E60/12



Title: BAG, IN PARTICULAR BOOK BAG, SCHULRANZEN, SPORT BAG OR **BACKPACK**

Abstract: Source: DE20209138U1 (Claim 1) 1. Tasche, insbesondere Buechertasche, Schulranzen, Sporttasche oder Rucksack, mit einem Aufnahmebehaeltnis (10), das sich aus einem Boden (11), Seitenwaenden (12, 13), einer Vorderwand (14) und einer Rueckwand (15) zusammensetzt und eine durch einen Deckel (16) verschliessbare Oeffnung aufweist, mit einer Energiequelle (30), die Sonnenlicht in elektrische Energie umwandelnde Solarzellen (31, 32, 33) aufweist, und mit einem durch die Energiequelle (30) aufladbaren Akkumulator (40), der eine Versorgungsspannung fuer wenigstens einen an dem Aufnahmebehaeltnis (10) angeordneten elektrischen Verbraucher (50) bereitstellt, dadurch gekennzeichnet, dass der elektrische Verbraucher ein an einer Aussenflaeche des Aufnahmebehaeltnisses (10) angeordneter elektrolumineszierender Leuchtkoerper ist, der als Folie (50) ausgestaltet und durch eine elektronische Schaltung mit dem Akkumulator (40) verbunden ist.

Machine translation: (Claim 1) 1. Bag, in particular book bag, Schulranzen, sport bag or **backpack**, with a photograph container (10), from a soil (11), side panels (12, 13), a Vorderwand (14) and a rear wall (15) builds itself and an opening lockable by a cover (16) exhibits, with an energy source (30), the sunlight into electricity converting solar cells (31, 32, 33) exhibits, and marked by one in the energy source (30) for rechargeable accumulator up (40), which a supply voltage for at least one at the photograph container (10) arranged electrical consumer (50) makes available, by the fact that the electrical consumer a elektrolumineszierender shining body arranged at an exterior surface of the photograph container (10) is, which is connected as foil (50) out-arranged and by an electronic circuit with the accumulator (40).

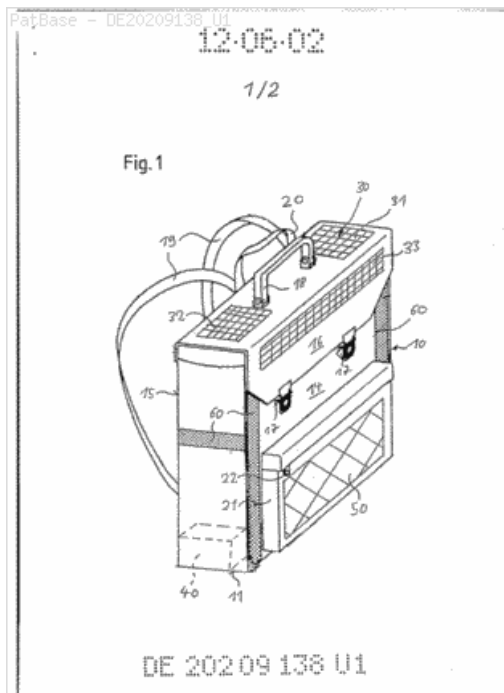
Classifications:

International (IPC 8-9): A45C 15/06 A45F3/04 (Advanced/Invention); A45C 15/00 A45F3/04 (Core/Invention)

International (IPC 1-7): A45C 15/06 A45F3/04 F21L4/00 F21Y33/00 F21Y105/00

CPC: A45C 15/06 A45F3/042

European: A45C 15/06 A45F3/04E



Family:

Publication number	Publication date	Application number	Application date
DE20209138 U1	20020926	DE20022009138U	20020612

Priority:

DE20022009138U 20020612

Probable Assignee: ADAPT ELEKTRONIK EBERHARD KOEP

Assignee(s): (std): EL TECHNOLOGIE GMBH ; SUNOVATION GES F REGENERATI ; SUNOVATION GES FUER REGENERATI ; ADAPT ELEKTRONIK EBERHARD KOEP

Assignee(s): ADAPT ELEKTRONIK EBERHARD KOEPF GMBH ; SUNOVATION GESELLSCHAFT FUER REGENERATIVE ENERGIES ; SUNOVATION GESELLSCHAFT FUER REGENERATIVE ENERGIESYSTEME MBH

Title: MULTIFUNCTION RUCKSACK HAS MULTIPLE COMPARTMENTS WITH INTEGRATED TENT, SLEEPING BAG, MATTRESS, PONCHO AND BATTERY POWERED ELECTRONIC EQUIPMENT

Abstract: Source: DE202004009093U1 A multifunction rucksack has padded belt and several compartments in water proof ripstop material including an integrated tent with air mattress and upper half sleeping bag, half poncho, folding stool, plastics drawer, lamps with battery and **charger**, loudspeaker and CD (Compact Disc) player and other electrical connections all mounted on rollers or wheels and separable for cleaning.

Classifications:

International (IPC 8-9): A45C15/00 A45F4/02 (Advanced/Invention);

A45C15/06 A45C5/06 A45C5/14 A45F3/08 A45F4/06 A45F4/08 A45F4/12 (Advanced/Non-invention);

A45C15/00 A45F4/00 (Core/Invention);

A45C5/00 A45F3/04 (Core/Non-invention)

International (IPC 1-7): A45C15/00 A45C15/06 A45F4/02 A45F4/04 A45F4/06

CPC: A45C5/065 A45C5/14 A45C15/00 A45C15/06 A45F3/08 A45F4/02 A45F4/06 A45F4/08 A45F4/12

European: A45C15/00 A45F4/02 K45C15/06 K45C5/06D K45C5/14 K45F3/08 K45F4/06 K45F4/08 K45F4/12

Family:

Publication number	Publication date	Application number	Application date
DE202004009093 U1	20040819	DE200420009093U	20040608

Priority:

DE200420009093U 20040608

Probable Assignee:

TRAUBLINGER STEFAN

Assignee(s): (std):

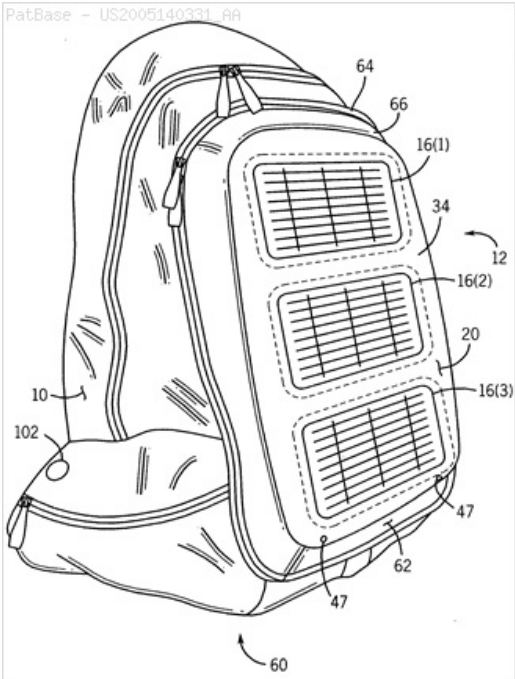
TRAUBLINGER STEFAN

Title: SOLAR BAG WITH INTERNAL BATTERY

Abstract: Source: US2005140331A A bag, such as a **backpack**, comprises a battery internal to the bag, a solar panel assembly affixed to the front exterior of the bag, and a universal connecting system wire. The solar panel assembly includes a solar panel. The solar panel charges the battery and also provide power to an electronic device. The universal connecting system wire connects the battery to the electronic device. The solar panel assembly protects the solar panel from damage. Wire routing channels are provided for routing the universal connecting system wire from the battery to the electronic device. The battery may be charged from an external source.

Classifications:

International (IPC 8-9): A45C 15/00 A45F3/04 H02J7/32 H02J7/35 (Advanced/Invention); A45C 15/00 A45F3/04 H02J7/32 H02J7/35 (Core/Invention)
International (IPC 1-7): H01L25/00 H01M10/44 H02J7/32 H02J7/35
CPC: A45C 15/00 A45C2011/002 A45F3/00 A45F3/04 A45F3/047 A45F5/02 A45F2200/0508 H02J7/355
European: A45C 15/00 A45F3/04 H02J7/35M K45C 11/00C K45F200/05A K45F3/00 K45F3/04R K45F5/02
US: 320/101 320/101P



Family:

Publication number	Publication date	Application number	Application date
CA2454221 AA	20050624	CA20032454221	20031224
US2005140331 AA	20050630	US20040014040	20041216
WO05065206 A2	20050721	WO2004US42409	20041216
WO05065206 A3	20060406	WO2004US42409	20041216

Priority:

CA20032454221 20031224

Probable Assignee: MCQUADE SHAYNE

Assignee(s): (std): MCQUADE SHAYNE

Assignee(s): MCQUADE SHAYNE L

Inventor(s): (std): MCQUADE SHAYNE ; MCQUADE SHAYNE L

Inventor(s): MCQUADE SHAYNE LAURENCE

Agent(s): FINCHAM ERIC; ELLIOT FURMAN

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

Title: Walking portable micro generator

Abstract: Source: CN2821164Y The utility model discloses a walking portable miniature generating device, which comprises air filling air cushions which are fixed at the bottom of shoes, a **backpack** and a miniature air wheel generator which is fixed in the **backpack**, wherein the air filling air cushions on soles are connected with the miniature air wheel generator which is fixed in the **backpack** through an air pipe. The utility model can also comprise a **charger** which is connected with the miniature generator and a chargeable battery, and in the mode, the electric energy which is emitted by the miniature air wheel generator is stored. The utility model has the advantages of simple structure, **light** weight, low cost and larger generating capacity, use the kinetic energy and the potential energy which are generated when a walker walks to generate electricity, and can provides the electric energy for field use electronic equipment of a mobile phone, a lantern, a portable computer, the night equipment, etc., which are carried out by people. The problems that the people go out for travel, carry lots of batteries during field operation and charge the batteries around are solved.

Classifications:

International (IPC 8-9): F01D15/10 H02K7/18 (Advanced/Invention);
F01D15/00 H02K7/18 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN2821164 Y	20060927	CN200520052054U	20050930

Priority:

CN200520052054U 20050930

Probable Assignee:

GU ZHENYU

Assignee(s): (std):

GU ZHENYU

Inventor(s): (std):

GU ZHENYU

Inventor(s):

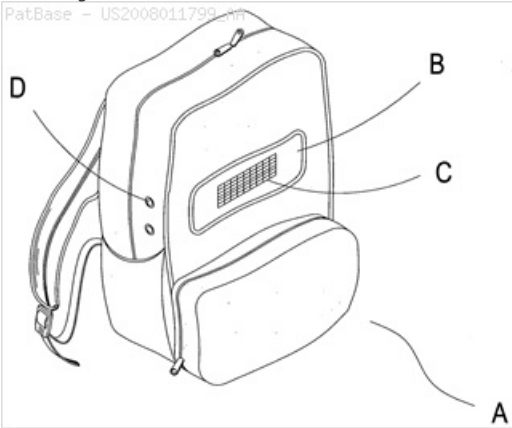
ZHENYU GU

Title: SOLAR ENERGY **BACKPACK** COMBINATION DEVICE

Abstract: Source: US2008011799A A solar energy **backpack** combination device, in which a solar energy **backpack** is provided with a plurality of item carrying pockets each configured with an electric power unit. Joining devices are used to install the electric power units into the plurality of item carrying pockets of the solar energy **backpack** to face the **light**. The electric power units are each configured with a solar panel facing the **light**, and the solar panel is electrically connected to an electric storage device configured with a battery charging slot and a storage battery, and the storage battery is electrically connected to a plurality of connecting terminals. Accordingly, **light** rays are converted into electrical energy and stored in the electric storage devices, whereafter an electric power consuming device can be connected to the solar energy **backpack** to obtain the needed electric power from the storage battery of the electric storage device.

Classifications:

International (IPC 8-9): A45F3/00 A45F3/04 F24J2/00 H01L31/04 H01L31/042 (Advanced/Invention); A45F3/00 A45F3/04 F24J2/00 H01L31/04 H01L31/042 (Core/Invention)
International (IPC 1-7): A45F3/04
CPC: Y02E10/40 A45F2003/001 A45F3/04 A45F3/00 A45C15/00
European: A45C15/00 A45F3/00 K45F3/00A K45F3/04 Y02E10/40 Y02E10/50
US: 224/576



Family:

Publication number	Publication date	Application number	Application date
AU2007100116 AD	20070315	AU20070100116	20070214
JP3131492 U	20070510	JP20070001093U	20070222
TWM298366 Y	20061001	TW20060206852U	20060421
US2008011799 AA	20080117	US20070713100	20070302

Priority:

TW20060206852U 20060421

Probable Assignee: JANG YI JIUN

Assignee(s): (std): CHANG I CHUN ; JANG YI JIUN

Assignee(s): I CHUN CHANG

Inventor(s): (std): CHANG I CHUN ; JANG YI JIUN

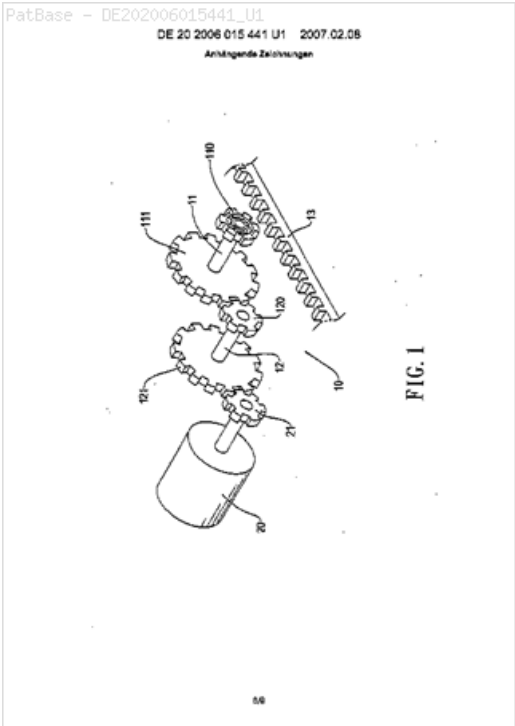
Inventor(s): I CHUN CHANG

Agent(s): APT PATENT AND TRADE MARK ATTORNEYS; TROXELL LAW OFFICE PLLC

Title: POWER SYSTEM FOR GENERATING POWER VIA A HUMAN BODY HAS A GENERATOR AND A POWER UNIT WITH A TOOTHED RACK AND TWO SETS OF DRIVE MECHANISMS FOR REVVING POWER UP

Abstract: Source: DE202006015441U1 A power unit (10) has a toothed rack (13) and two sets of drive mechanisms (DM) for revving power up, each with axles. The first DM (11) has a one-way first pinion gear (110) on an axle's front end. A first gearwheel (111) on the axle's rear end has a nominal diameter greater than that of the one-way first pinion gear. The second DM (12) has a second pinion gear (120).

Classifications:
International (IPC 8-9): F03G5/00 H02J7/32 (Advanced/Invention); F03G5/00 H02J7/32 (Core/Invention)
CPC: F03G5/00
European: F03G5/00



Family:

Publication number	Publication date	Application number	Application date
CN2842001 Y	20061129	CN200520105737U	20051010
DE202006015441 U1	20070104	DE200620015441U	20061009

Priority:

CN200520105737U 20051010

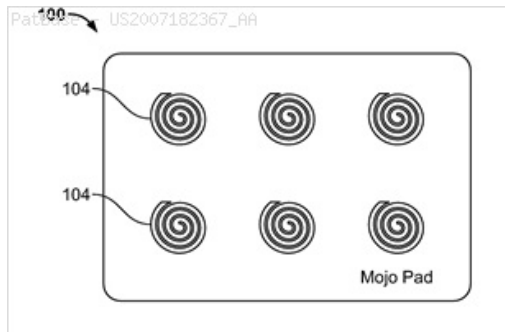
Probable Assignee: YE H MING HSIANG
Assignee(s): (std): YE MINGXIANG ; YE H MING HSIANG
Inventor(s): (std): YE MINGXIANG
Inventor(s): MINGXIANG YE

Title: INDUCTIVE POWER SOURCE AND CHARGING SYSTEM

Abstract: Source: US2007182367A A portable inductive power source, power device, or unit, for use in powering or charging electrical, electronic, battery-operated, mobile, and other devices is disclosed herein. In accordance with an embodiment the system comprises a pad or similar base unit that contains a primary, which creates an alternating magnetic field by means of applying an alternating current to a winding, coil, or any type of current carrying wire. A receiver comprises a means for receiving the energy from the alternating magnetic field from the pad and transferring it to a mobile or other device. In some embodiments the receiver can also comprise electronic components or logic to set the voltage and current to the appropriate levels required by the mobile device, or to communicate information or data to and from the pad. Embodiments may also incorporate efficiency measures that improve the efficiency of power transfer between the **charger** and receiver.

Classifications:

International (IPC 8-9): G06K19/07 H01F27/28 H01F27/36
H01F38/14 H01F5/00 H01M10/44 H01M10/46 H02J17/00 H02J50/10
H02J50/40 H02J50/80 H02J50/90 H02J7/00 H02J7/02 H02J7/04
H04B5/00 (Advanced/Invention);
H02J7/00 (Advanced/Non-invention);
H02J7/00 (Core/Invention);
H02J (Subclass/Invention)
CPC: H02J7/00 H04B5/0037 H02J7/0004 H02J7/0044 H02J7/0052
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European: H01F38/14 H01F5/00A H02J7/00C6 H02J7/02B1
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US: 1/1 307/10.1 307/104 307/24 320/101 320/101P 320/108
320/108P 320/108S 320/115 320/115P 320/137 320/150 455/41.1

**Family:**

Publication number	Publication date	Application number	Application date
CN101971453 A	20110209	CN200880023854	20080508
CN101971453 B	20141126	CN200880023854	20080508
CN104467129 A	20150325	CN201410549288	20080508
EP2151037 A1	20100210	EP20080747863	20080508
EP2151037 A4	20130501	EP20080747863	20080508
HK1208963 A1	20160318	HK20150109466	20150925
JP2010527226 T2	20100805	JP20100507666T	20080508
JP2014168380 A2	20140911	JP20140104181	20140520
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WO08137996 A1	20081113	WO2008US63084	20080508

Priority:

CN200880023854	20080508	JP20100507666	20080508	US20060763816P	20060131
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Probable Assignee: MOJO MOBILITY INC

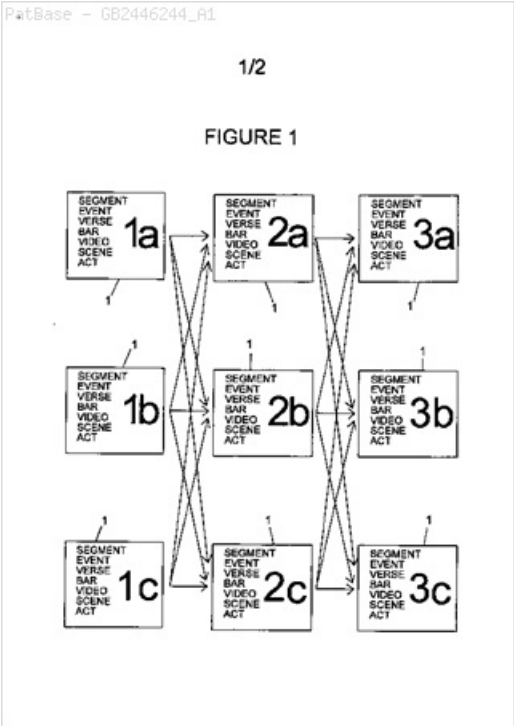
Assignee(s): (std): MOJO MOBILITY INC ; PARTOVI AFSHIN ; SEARS MICHAEL
Inventor(s): (std): AFSHIN PARTOVI ; MICHAEL SEARS ; PARTOVI AFSHIN ; SEARS MICHAEL
Agent(s): JENNINGS MICHAEL JOHN; UESUGI HIROSHI; OHTSUKA FUMIAKI; SUDA HIROYUKI; KUMAKURA YOSHIO; NISHIJIMA TAKAKI; FLIESLER MEYER LLP; MEYER IP LAW GROUP; LOUIS; KENNA KARL F 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: GPS device

Abstract: Source: GB200719884A A Media production format incorporates multiple alternative 1 sequences of progressing segments or events or verses or bars or video or scenes or acts for any corresponding sequence of progressing segments or events or verses or bars or video or scenes or acts, so that when the production is played are relayed at random, allowing the Media production to be viewed from multiple story lines and perspectives in sequences while still retaining an underling story line, or heard differently each time with extra percussion or lyrics added while still remaining the as same audio piece as its played.

Classifications:

International (IPC 8-9): G09F21/00 G09F23/00
H04N5/268 (Advanced/Invention);
G09F21/00 G09F23/00 H04N5/268 (Core/Invention)
CPC: G09F21/02 G09F21/04 G09F23/16 G09F27/00 G09F2021/023
H04N5/268 G09F21/00 G09F23/00 H04L29/08657
European: G09F21/00 G09F21/02 G09F21/04 G09F27/00
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Family:

Publication number	Publication date	Application number	Application date
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GB200719884 A0	20071121	GB20070019884	20071010
GB200720988 A0	20071205	GB20070020988	20071025
GB2446243 A1	20080806	GB20070019884	20071010
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Priority:

GB20070001764 20070130

Probable Assignee:

MILLAR LAURENCE

Assignee(s): (std):

MILLAR LAURENCE

Assignee(s):

LAURENCE MILLAR

Inventor(s): (std):

MILLAR LAURENCE

Inventor(s):

LAURENCE MILLAR

Title: **BACKPACK** BASED SYSTEM FOR HUMAN ELECTRICITY GENERATION AND USE WHEN OFF THE ELECTRIC GRID

Abstract: Source: US2009015022A An electricity-generating **backpack** that is substantially **lighter** in weight, has the multiple springs replaced with one large spring whose spring constant can be adjusted in the field in seconds, and replaces a DC generator with a brushless AC generator that permits approximately 70 percent generator efficiency and the generation of up to 20 W of electrical power by converting mechanical energy to electrical power. A device is provided that always removes some electricity, but not too much, as necessary to extract large levels of the electricity while controlling damping by providing electrical damping circuits including a DC-DC converter designed to emulate a desired load at its input terminals. Additional electricity generating E-MOD devices may be used for generating additional power by hooking an E-Mod device to a generator and to the **backpack** belt at the wearer's hip and includes a wand that fits against the wearer's femur so as to move through a range of motion as the patient walks. The system also provides multiple possibilities of electricity generation when not walking including a **light**-weight bicycle ergometer which can be mounted to the **backpack** frame and generate very high power levels (100 W). The electricity generated and stored by the **backpack** may be used to charge batteries and to power a number of devices that may be carried by the **backpack**, such as a Sterling Cooler System that is powered by the **backpack**'s stored power to provide cooling power for cooling items carried by the **backpack**.

Classifications:

International (IPC 8-9): A45F3/04 A45F3/08 B60L11/02 B61C9/38 F03G5/00 F03G7/08 H02J1/02 H02J7/00 H02J9/00 H02K23/52 H02K35/00 H02K7/06 H02K7/18 H02K9/00 (Advanced/Invention); A45C15/00 A45F3/00 F02B63/04 F02B67/04 G01P15/00 (Advanced/Non-invention);

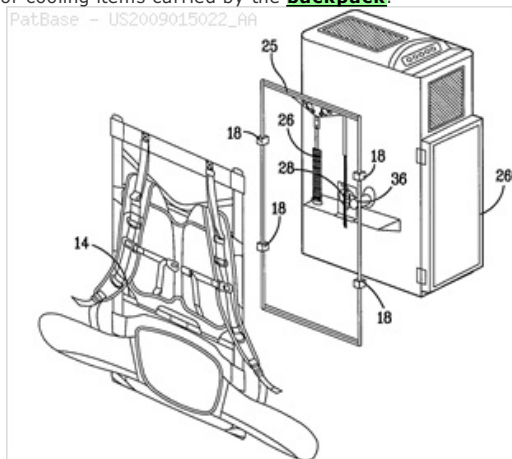
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CPC: Y10S224/929 Y10S224/93 H02K7/1853 A45F3/06 A45F3/08 A45F2003/003 F03G5/00 H02J7/32

European: A45F3/08 F03G5/00 H02K7/18A4 K45F3/00C K45F3/06 T02J7/32

US: 224/576 224/604 224/627 224/630 224/631 224/633 224/633S 224/634 224/641 224/929 224/930 290/1.00A 290/1.00AP 290/1.00R 290/10 290/1A 290/1R 307/150 310/16 310/16S 320/114 320/166 323/222 323/282 361/235 363/21.12 703/24 703/28 73/514.18

PatBase - US2009015022_RH



Family:

Publication number	Publication date	Application number	Application date
CA2680681 AA	20090911	CA20082680681	20080331
CA2680681 C	20160216	CA20082680681	20080331
EP2132854 A1	20091216	EP20080744764	20080331
EP2132854 A4	20160323	EP20080744764	20080331
US2009015022 AA	20090115	US20080059440	20080331
US7851932 BB	20101214	US20080059440	20080331
WO08121954 A1	20081009	WO2008US58885	20080331

Priority:

US20070921239P 20070329 US20070921240P 20070329 US20070921241P 20070329
US20080059440 20080331 WO2008US58885 20080331

Probable Assignee: LIGHTNING PACKS LLC

Assignee(s): (std): HOFMANN HEATH ; LIGHTING PACKS LLC ; LIGHTNING PACKS LLC ; ROME LAWRENCE CRAIG ; WANG GUANGHUI

Inventor(s): (std): HOFMANN HEATH ; HOFMANN HEATH FRED ; ROME LAWRENCE CRAIG ; WANG GUANGHUI

Agent(s): DANIELS IP SERVICES LTD; BOYCE CONOR; WOODCOCK WASHBURN LLP; DUNNAM MICHAEL P

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

Search history

Search 1: TAC=(backpack and light and charger) (Results 32)

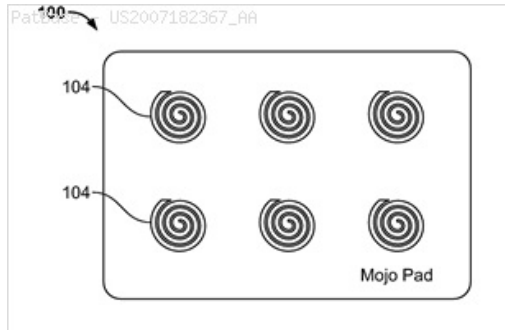
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Title: INDUCTIVE POWER SOURCE AND CHARGING SYSTEM

Abstract: Source: US2007182367A A portable inductive power source, power device, or unit, for use in powering or charging electrical, electronic, battery-operated, mobile, and other devices is disclosed herein. In accordance with an embodiment the system comprises a pad or similar base unit that contains a primary, which creates an alternating magnetic field by means of applying an alternating current to a winding, coil, or any type of current carrying wire. A receiver comprises a means for receiving the energy from the alternating magnetic field from the pad and transferring it to a mobile or other device. In some embodiments the receiver can also comprise electronic components or logic to set the voltage and current to the appropriate levels required by the mobile device, or to communicate information or data to and from the pad. Embodiments may also incorporate efficiency measures that improve the efficiency of power transfer between the charger and receiver.

Classifications:

International (IPC 8-9): G06K19/07 H01F27/28 H01F27/36 H01F38/14 H01F5/00 H01M10/44 H01M10/46 H02J17/00 H02J50/10 H02J50/40 H02J50/80 H02J50/90 H02J7/00 H02J7/02 H02J7/04 H04B5/00 (Advanced/Invention); H02J7/00 (Advanced/Non-invention); H02J7/00 (Core/Invention); H02J (Subclass/Invention)
CPC: H02J7/00 H04B5/0037 H02J7/0004 H02J7/0044 H02J7/0052 H02J7/0027 H01F5/003 H01F38/14 H02J50/10 H02J7/007 H02J50/40 G06K19/0704 H02J7/025 H02J50/80 Y02B60/50 H02J50/90 H02J7/045 H01F27/2804 H01F27/362 H02J7/0042 H04W4/008
European: H01F38/14 H01F5/00A H02J7/00C6 H02J7/02B1 T02J7/00B1 Y02B40/90
US: 1/1 307/10.1 307/104 307/24 320/101 320/101P 320/108 320/108P 320/108S 320/115 320/115P 320/137 320/150 455/41.1

**Family:**

Publication number	Publication date	Application number	Application date
CN101971453 A	20110209	CN200880023854	20080508
CN101971453 B	20141126	CN200880023854	20080508
CN104467129 A	20150325	CN201410549288	20080508
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JP2010527226 T2	20100805	JP20100507666T	20080508
JP2014168380 A2	20140911	JP20140104181	20140520
US2007182367 AA	20070809	US20070669113	20070130
US2007279002 AA	20071206	US20070757067	20070601
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US2013175983 AA	20130711	US20120708548	20121207
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US2014103873 AA	20140417	US20130135082	20131219
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WO07090168 A2	20070809	WO2007US61406	20070131
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Priority:

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Probable Assignee: MOJO MOBILITY INC

Assignee(s): (std): MOJO MOBILITY INC ; PARTOVI AFSHIN ; SEARS MICHAEL
Inventor(s): (std): AFSHIN PARTOVI ; MICHAEL SEARS ; PARTOVI AFSHIN ; SEARS MICHAEL
Agent(s): JENNINGS MICHAEL JOHN; UESUGI HIROSHI; OHTSUKA FUMIAKI; SUDA HIROYUKI; KUMAKURA YOSHIO; NISHIJIMA TAKAKI; FLIESLER MEYER LLP; MEYER IP LAW GROUP; LOUIS; KENNA KARL F 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: PORTABLE SHELTER LIGHTING SYSTEM

Abstract: Source: US2008029141A An apparatus comprising a portable structure and a lighting system incorporated within the structure.

Classifications:

International (IPC 8-9): A45C15/06 E04H15/00 E04H15/02

E04H15/10 (Advanced/Invention);

A45C15/00 E04H15/00 (Core/Invention)

CPC: A45C15/06 A45F3/04 A45F2003/003 F21V21/0808

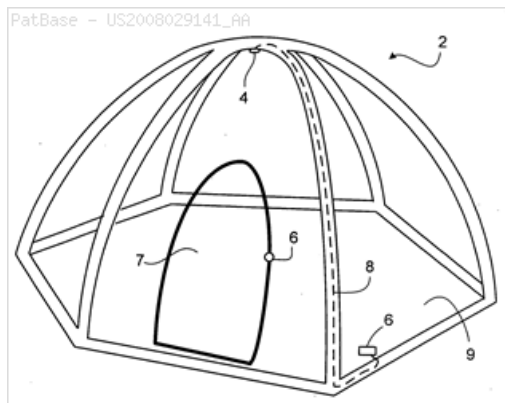
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F21V2115/10 E04H15/06

European: A45C15/06 E04H15/10 R21V21/08G R21V21/08V

R21V23/04 R21V23/04S8 R21V33/00B R21Y101/02

US: 135/91 135/91P 135/96 135/96S 362/108 362/156 362/156P



Family:

Publication number	Publication date	Application number	Application date
US2008029141 AA	20080207	US20060499843	20060804
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WO08019343 A2	20080214	WO2007US75288	20070806
WO08019343 A3	20090430	WO2007US75288	20070806

Priority:

US20060499843 20060804

US20070675457 20070215

US20070849692 20070904

Probable Assignee: RSGA INC

Assignee(s): (std): GRAND PRE DAVID M ; LONG J DARIN ; LONG JON DARIN ; RIDDOCK DAMIAN ; RSGA INC ; RSGA INT INC ; RSGA INTERNATIONAL INC

Assignee(s): RSGA INT

Inventor(s): (std): LONG JON D ; LONG JON DARIN ; RIDDOCH DAMIAN ; RIDDOCK DAMIAN ; GRAND PRE DAVID M ; LONG J DARIN

Inventor(s): LONG JON ; GRAND PRE DAVID

Agent(s): FISH AND RICHARDSON PC; SMITH CRAIG R ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC 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: MULTIFUNCTIONAL TELEMETRY ALERT SAFETY SYSTEM (MTASS)

Abstract: Source: US2010081411A A personnel accountability and situational awareness monitoring communications system for emergency personnel that comprises wireless network-adaptable monitoring devices, peripherals and base station console software for telemetry monitoring of real-time information at a plurality of personnel accountability and situational awareness parameters of critical data about the safety, health and whereabouts of first responders deployed in typically hazardous environments. Exterior incident command, including fire, rescue, safety and other emergency agencies achieve real-time command view and control over a variety of personnel accountability and safety parameters during emergency response activities of personnel wearing the system of the present invention portable device while operating within the wireless network of an emergency incident scene. Configured to be carried by emergency services personnel while deployed on scene, the portable device is a multi-functional sensing and communicating integration of accountability and situational awareness technologies consolidated into one portable, telemetry device. The portable device's multifunctional integrated technology includes the monitoring, telemetry and alert notification of accountability identification, location, assignment notification, vital signs, ambient vicinity temperature, SCBA status, combustible gas sensing, video streaming, "evacuation" recall signaling, signal tracking and multi-alarm signaling if the wearer has either low remaining air pressure/time, impending thermal breakthrough, low battery power, exceeds the safety threshold for safe heart rate or external body temperature readings, or becomes motionless for a predetermined time period.

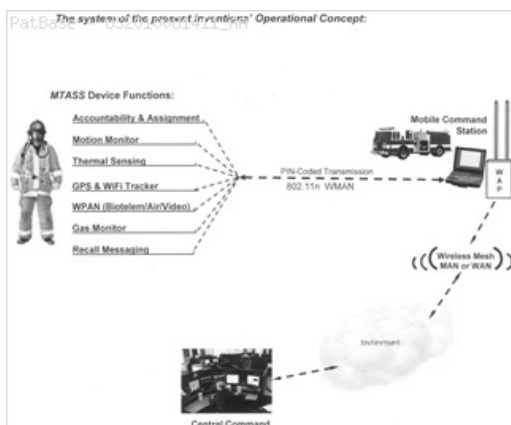
Classifications:

International (IPC 8-9): H04M11/04 H04Q9/00 (Advanced/Invention); H04M11/04 (Core/Invention)

CPC: G01N33/0075 G08B21/04 G08B21/0233 G08B21/025 G08B21/0269 H04M2242/30 H04W76/007 A62B7/04 A62B9/006

European: G08B21/02A11G G08B21/02A14 G08B21/02A21 G08B21/02A8 G08B21/04 H04W76/00E T04M242/30

US: 340/870.07 340/870.070P 455/404.2 455/404.200P

**Family:**

Publication number	Publication date	Application number	Application date
US2010081411 AA	20100401	US20080286210	20080929
US2011140913 AA	20110616	US20090590920	20091117

Priority:

US20080286210 20080929 US20090590920 20091117

Probable Assignee: MONTENARO III JOHN MATHEW

Assignee(s): (std): MONTENARO JOHN MATHEW ; MONTENARO JOHN MATTHEW

Assignee(s): MONTENARO III JOHN MATHEW

Inventor(s): (std): MONTENARO JOHN MATHEW ; MONTENARO JOHN MATTHEW

Agent(s): JOHN MATHEW MONTENARO

Title: Mobile power (APC-S600) (Machine translation)

Abstract: Source: CN301319249S [Source: Claim 1] 1. The design of the product name: Portable Power (APC-S600). 2. The use of the product design: Charging forms, can use solar charging, you can also turn the mini **USB** charging via **USB**; illuminated function buttons on the back of the product has **LED** lighting products at the bottom of a long bright **LED** lights pressed; wide range of applications, suitable for mobile phones and other digital products. Design Element 3. Designs: Products lightweight, easy to carry, can be hung round hole solar panel hung on the side of the **backpack**. The perspective view of the design elements can be shown or photographs.

Classifications:

Locarno class: 13/02

Family:

Publication number	Publication date	Application number	Application date
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Priority:

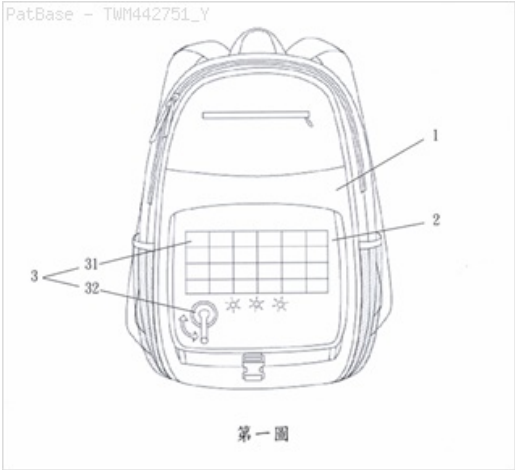
CN200930341309F 20091127

Title: A versatile bag with power module

Abstract: Source: TWM442751Y

Machine translation: Multifunction **backpack** of the creation of the Department of a power supply module, including: a **backpack**, an electric blanket package, a power generation group and a power supply group, wherein the solar power unit can convert light energy into electrical energy, and stored in rechargeable batteries; Dynamo unit may be in the environment of the lack of sunlight, the use of hand shake will convert kinetic energy into electrical energy to avoid power shortages occur. Electric blanket as an electric blanket package body part is folding, disassembly independent from the **backpack**; the electric blanket rechargeable battery thin film silicone heating sheet as a heating source; electric blanket use of far infrared fabric help heat storage. In addition, the rechargeable battery is electrically connected to a **USB** charging connector available for mobile phones and other 3C products electricity; **LED** lights above the electric blanket package electrical energy supplied by a rechargeable battery, warning lighting as the night to reach the electric blanket package as much as functional use.

Classifications:
International (IPC 8-9): A45F3/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
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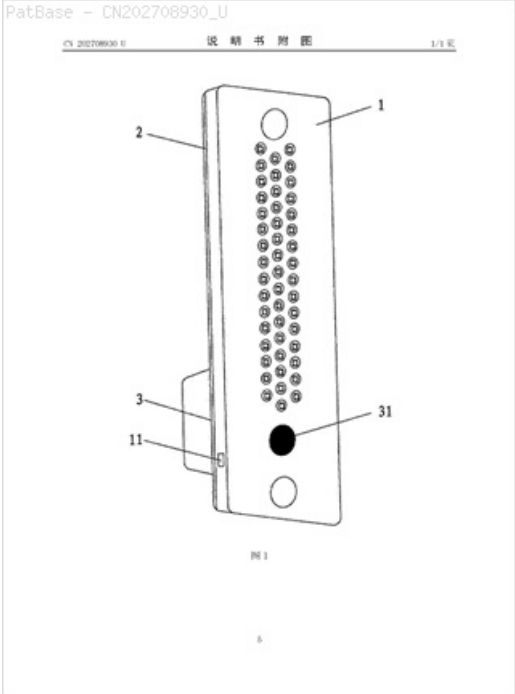
Priority:
TW20120202580U 20120214

Probable Assignee: YUE KI IND CO LTD
Assignee(s): (std): YUE KI IND CO LTD
Assignee(s): YUE KI INDUSTRIAL CO LTD
Inventor(s): (std): DUH FENG CHYI ; HAN CHING YU ; YANG FU JUNG

Title: **LED** SILICA GEL ILLUMINATION LUMINESCENT LAMP

Abstract: Source: CN202708930U The utility model relates to a module for illumination and luminescence, particularly, an **LED** silica gel illumination luminescent lamp. The **LED** silica gel illumination luminescent lamp includes a silica gel housing and a silica gel circuit board layer fixedly arranged at the inner side of the silica gel housing, a circuit board and a battery for controlling an **LED** light emitting diode are arranged in the silica gel housing and arranged on the silica gel circuit board layer, a battery switch is arranged on the external surface of the silica gel housing. The luminescent lamp can absorb on any metal parts and can bend at any will, the lithium battery in the luminescent lamp allows the illuminating lamp to be continuously used more than 6 hours, and the lithium battery can be charged via an **USB** interface; moreover, the light emitting diode is high in luminescence efficiency, uun uniform and soft in light; moreover, the luminescent lamp provided can be widely used as a **backpack** panic lamp, an automobile alarm lamp, a field distress lamp, or a building panic lamp etc.

Classifications:
International (IPC 8-9): F21S9/02 F21V23/00
F21V23/04 (Advanced/Invention);
F21Y101/02 F21Y115/10 (Advanced/Non-invention)



Family:

Publication number	Publication date	Application number	Application date
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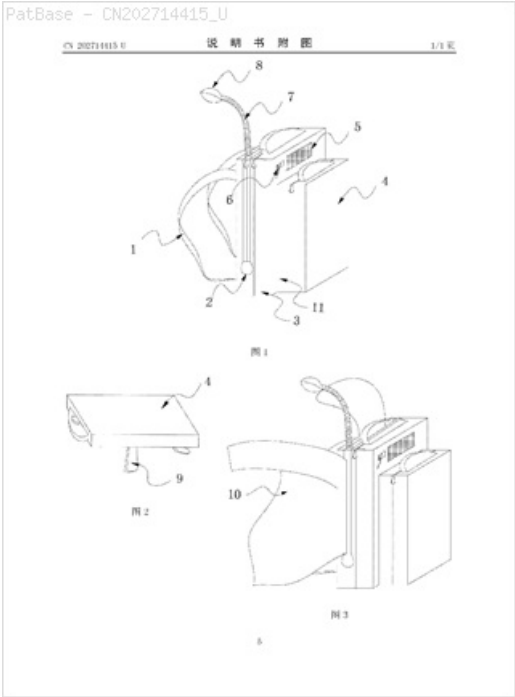
Priority:
CN201220250165U 20120531

Probable Assignee: LIN YOUTU
Assignee(s): (std): LIN YOUTU
Inventor(s): (std): LIN YOUTU

Title: MULTIFUNCTIONAL **BACKPACK** FOR OUTDOOR EXPLORATION

Abstract: Source: CN202714415U A field exploration multifunction **backpack**, the main purpose is to provide a variety of functions suitable for field exploration **backpack** use. Wherein: the outer upper end of the main package body (3) is fixed to a photovoltaic cell plate (5) and a **USB** port for charging mobile phones (6) and a **LED** lights (8), the main bag body sandwich outside of the fixed plate and the aforementioned photovoltaic cell mate control circuitry to achieve the power to the **USB** port and **LED** lights; the side of the package body (11) is connected by a zipper facade (4), the inner wall of the facade folding hinge bracket (9). The **backpack** can use solar energy to provide power for the **LED** lights, it can achieve raincoat function can be removed using a rope after rope row connection. Played with a pack of multi-effects.

Classifications:
International (IPC 8-9): A45F3/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN202714415 U	20130206	CN201220448183U	20120905

Priority:
CN201220448183U 20120905

Probable Assignee: UNIV NORTHEAST PETROLEUM
Assignee(s): (std): NORTHEAST PETROLEUM UNIV ; UNIV NORTHEAST PETROLEUM
Inventor(s): (std): MA FENGRONG ; YI WEIHONG ; ZHANG SHULIN

Title: PHASE SYNCHRONIZED BURIED OBJECT LOCATOR APPARATUS, SYSTEMS, AND METHODS

Abstract: Source: US2013200901A Buried object locator systems including transmitters and associated buried object locators using phase-synchronized signals are disclosed. A transmitter may generate output current signals that are phase-synchronized such that an associated locator may receive magnetic field signals from the output current signal and determine information about the current flow based on independent phase-synchronization timing information.

Classifications:

International (IPC 8-9): G01B11/00 G01B11/14 G01C19/00 G01C21/00 G01C21/12 G01C21/16 G01C3/08 G01C7/04 G01J3/46 G01N21/00 G01N21/88 G01N21/954 G01P15/00 G01P3/00 G01R29/08 G01R33/02 G01S1/02 G01S11/12 G01S17/02 G01S17/06 G01S17/08 G01S17/66 G01S17/88 G01S17/89 G01S19/00 G01S3/786 G01S5/02 G01S5/16 G01S7/499 G01V11/00 G01V3/00 G01V3/02 G01V3/06 G01V3/08 G01V3/10 G01V3/11 G01V3/12 G01V3/15 G01V3/165 G01V3/17 G01V3/38 G05D1/03 H01Q21/24 H01Q7/00 H04N5/225 H04N5/232 (Advanced/Invention); G01S13/88 G01V3/02 G01V3/04 G01V3/06 G01V3/10 G01V3/15 (Advanced/Non-invention)

CPC: G01C7/04 G01V3/108 G01V3/107 H01Q1/1228 H01Q21/205

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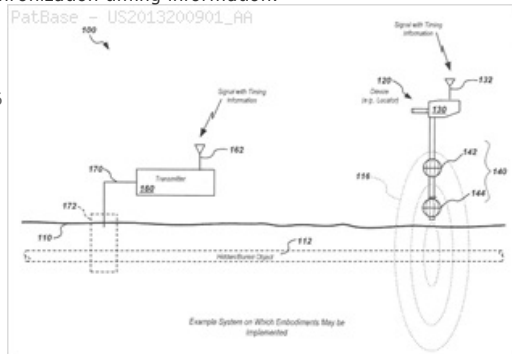
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US: 1/1 324/326 324/329 343/728 348/84 356/614 356/72

**Family:**

Publication number	Publication date	Application number	Application date
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WO13023002 A2	20130214	WO2012US50039	20120808
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WO13074705 A2	20130523	WO2012US65126	20121114
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WO13148590 A2	20131003	WO2013US33730	20130325
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WO13173379 A2	20131121	WO2013US41006	20130514
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WO14153138 A2	20140925	WO2014US29264	20140314
WO14153138 A3	20150108	WO2014US29264	20140314

Priority:

US20110521362P 20110808	US20110559696P 20111114	US20110561809P 20111118
US20120614829P 20120323	US20120570211 20120808	US20120598312P 20120213
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Probable Assignee: SEEKTECH INC

Assignee(s): (std): ALDRIDGE SEQUOYAH ; BENCH STEPHANIE ; BENCH STEPHANIE M ; CHAPMAN ERIC M ; COX DAVID ; MEREWETHER RAY ; LEVIN RYAN B ; MARTIN MICHAEL J ; COX DAVID A ; MARTIN MICHAEL ; LEVIN RYAN ; MEREWETHER RAY ; TURNER TIMOTHY ; SOUKUP JAN ; OLSSON MARK ; TURNER TIMOTHY M ; OLSSON MARK S ; SEEKTECH INC ; SHAFFER DAWN E ; SEESCAN INC ; SEE SCAN INC ; SEESOON INC ; SHIN INHO

Inventor(s): (std): BENCH STEPHANIE ; BENCH STEPHANIE M ; CHAPMAN ERIC ; CHAPMAN ERIC M ; COX DAVID ; COX DAVID A ; LEVIN RYAN ; LEVIN RYAN B ; MARTIN MICHAEL ; MARTIN MICHAEL J ; MEREWETHER RAY ; MEREWETHER RAY ; OLSSON MARK ; OLSSON MARK S ; SEESCAN INC ; SHAFFER DAWN ; SHIN INHO ; SOUKUP JAN ; TURNER TIMOTHY ; TURNER TIMOTHY M ; SHAFFER DAWN E ; ALDRIDGE SEQUOYAH

Agent(s): FENNELL GARETH CHARLES; STEVEN C; TIETSWORTH STEVEN

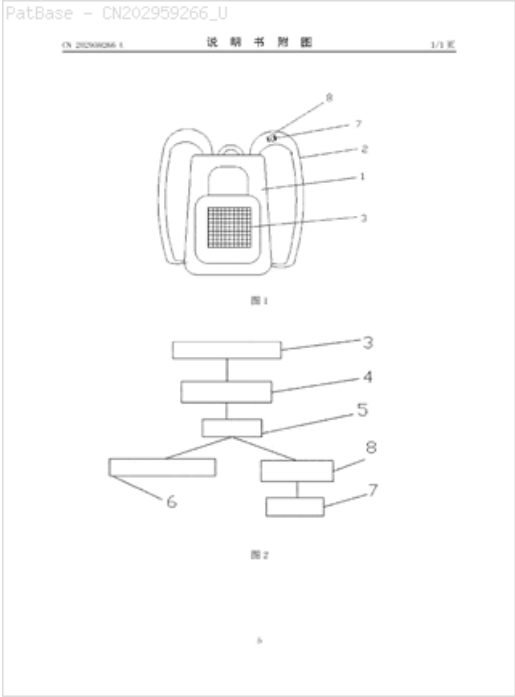
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Title: SOLAR **BACKPACK**

Abstract: Source: CN202959266U The utility model relates to a solar **backpack** which comprises a **backpack** body and straps, wherein the front surface of the **backpack** body is provided with a solar cell panel; the **backpack** body is internally provided with a charge controller and a lithium battery; the lithium battery is respectively connected with the charge controller and a universal serial bus (**USB**) charging interface; a high-brightness light-emitting diode (**LED**) lamp is arranged at the upper part of one strap at the part close to the **backpack** body; a control switch is arranged beside the **LED** lamp; and the **LED** lamp is connected with the lithium battery by the control switch. The solar **backpack** has the beneficial effects that the lighting function is added based on the original charging function of the common solar **backpack**, and the solar **backpack** is simple and practical, so that the solar **backpack** can be conveniently used at night; and the solar energy is used for supplying power, so that the solar **backpack** is environment-friendly and free from pollution, and can be used anytime and anyplace.

Classifications:

International (IPC 8-9): A45F3/04 F21V33/00 (Advanced/Invention);
F21Y101/02 F21Y115/10 (Advanced/Non-invention)



Family:

Publication number	Publication date	Application number	Application date
CN202959266 U	20130605	CN201220573769U	20121104

Priority:

CN201220573769U 20121104

Probable Assignee: SHANDONG DAGUANG NEW ENERGY TECHNOLOGY CO LTD

Assignee(s): (std): SHANDONG DAGUANG NEW ENERGY TECHNOLOGY CO LTD

Assignee(s): SHANDONG DAGUANG NEW ENERGY TECHNOLOGY CO

Inventor(s): (std): CHEN CHENG ; YANG JIANYUN

Title: BICYCLE TAIL LIGHT

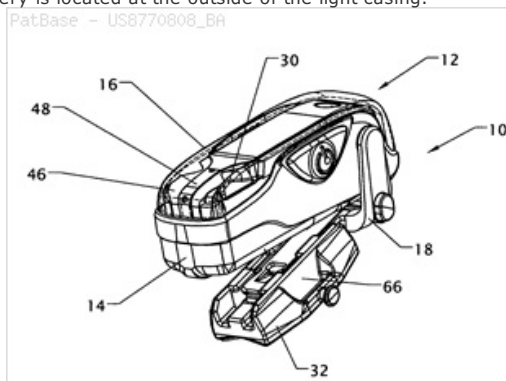
Abstract: Source: US8770808B A bicycle tail light has a casing containing **LEDs** and a battery, as well as a universal mounting for engaging a bicycle luggage rack, a chain stay, a seat post or a rider's messenger bag, **backpack** or clothing. A swivel mounting is included for adjusting the light to an appropriate tilt angle, depending on the position of the bicycle component on which the light's base is mounted. The tail light projects light from both sides as well as to the rear, providing over 180 degrees of visibility. A micro **USB** charging port for the battery is located at the outside of the light casing.

Classifications:

International (IPC 8-9): F21V33/00 (Advanced/Invention)

CPC: B62J6/04 B62J11/00

US: 362/473 362/541 362/549 362/800



Family:

Publication number	Publication date	Application number	Application date
US8770808 BA	20140708	US20110066539	20110415

Priority:

US20100342646P 20100415 US20110066539 20110415

Probable Assignee: LIGHT AND MOTION IND

Assignee(s): (std): CAMPBELL DAMON ; EMERSON DANIEL T ; FOSS DOUG ; LIGHT AND MOTION IND ; LO ROXANNE ; MCCASLIN CHRISTOPHER

Inventor(s): (std): CAMPBELL DAMON ; EMERSON DANIEL T ; FOSS DOUG ; LO ROXANNE ; MCCASLIN CHRISTOPHER

Agent(s): THOMAS M