

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 August 2007 (09.08.2007)

PCT

(10) International Publication Number
WO 2007/090168 A3

- (51) International Patent Classification:
H02J 7/00 (2006.01)
- (21) International Application Number:
PCT/US2007/061406
- (22) International Filing Date: 31 January 2007 (31.01.2007)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:

| | | |
|------------|------------------------------|----|
| 60/763,816 | 31 January 2006 (31.01.2006) | US |
| 60/810,262 | 1 June 2006 (01.06.2006) | US |
| 60/810,298 | 1 June 2006 (01.06.2006) | US |
| 60/868,674 | 5 December 2006 (05.12.2006) | US |
| 11/669,113 | 30 January 2007 (30.01.2007) | US |

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

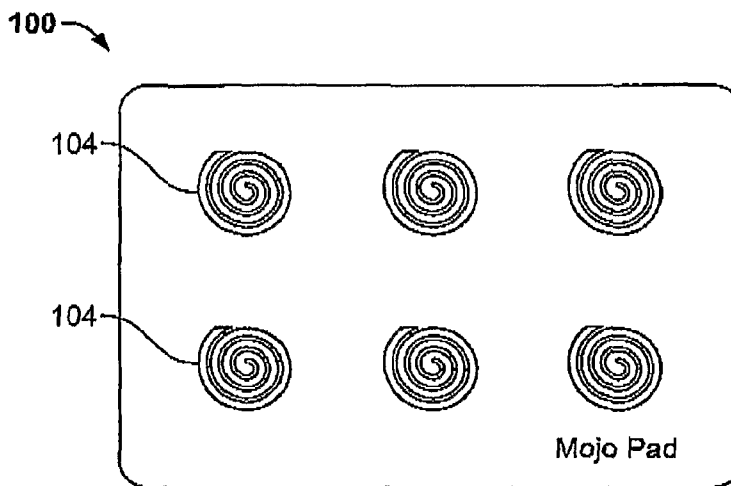
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

- (71) Applicant and
- (72) Inventor: PARTOVI, Afshin [US/US]; 1063 Morse Avenue, #5-100, Sunnyvale, California 94089 (US).
- (74) Agents: KENNA, Karl, F. et al.; FLIESLER MEYER LLP, 650 California Street, Fourteenth Floor, San Francisco, California 94108 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
3 April 2008

(54) Title: INDUCTIVE POWER SOURCE AND CHARGING SYSTEM



(57) Abstract: 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.

WO 2007/090168 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 07/61406

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) H02J 7/00 (2007.01)
USPC 320/108
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC(8) H02J 7/00
USPC 320/108, 112

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
USPTO WEST - Databases: PGPB,USPT,USOC,EPAB,JPAB - Terms: portable, mobile, charge, charger, battery, induction, inductive, non-contact, coil, printed circuit board, data, transfer, communicate, antenna, align, orient, position, magnet, size, shape, simultaneous, plurality, multiple, mosfet, zener diode, capacitor, parallel

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| X | US 2002/0004167 A1 (JENSON et al.) 10 January 2002 (10.01.2002) para [0005]; para [0319] | 1, 2 |
| X | US 6,008,622 A (NAKAWATASE) 28 December 1999 (28.12.1999) Col. 1, ln 10-14; Col. 2, ln 5-20; Col. 3, ln 11-26; Col. 3, ln 59-67; Col 4, ln 1-36 | 3, 11, 26 |
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| Y | | 4-10, 12-25, 27-36 |
| Y | US 2002/0067238 A1 (LEU) 06 June 2002 (06.06.2002) abstract; para [0045] | 4,5,12 |
| Y | US 2005/0127869 A1 (CALHOON et al.) 16 June 2005 (16.06.2005) abstract; para [0042]; [0044]; [0043]; [0045]; [0051]-[0053]; [0047]; claim 7; para [0022]; [0030]; [0060] | 6-10, 13-18, 20-25, 27, 28, 30-32, 36 |
| Y | US 2005/0075696 A1 (FORSBERG et al.) 07 April 2005 (07.04.2005) para [0064]-[0065] | 18, 19, 29 |
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| "P" document published prior to the international filing date but later than the priority date claimed | |

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| Date of the actual completion of the international search 23 July 2007 (23.07.2007) | Date of mailing of the international search report 14 FEB 2008 |
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| Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201 | Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774 |
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