

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
27 March 2008 (27.03.2008)

PCT

(10) International Publication Number  
**WO 2008/036252 A3**

(51) International Patent Classification:  
F21V 25/12 (2006.01) H02J 1/00 (2006.01)

(21) International Application Number:  
PCT/US2007/020171

(22) International Filing Date:  
18 September 2007 (18.09.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
11/523,157 19 September 2006 (19.09.2006) US

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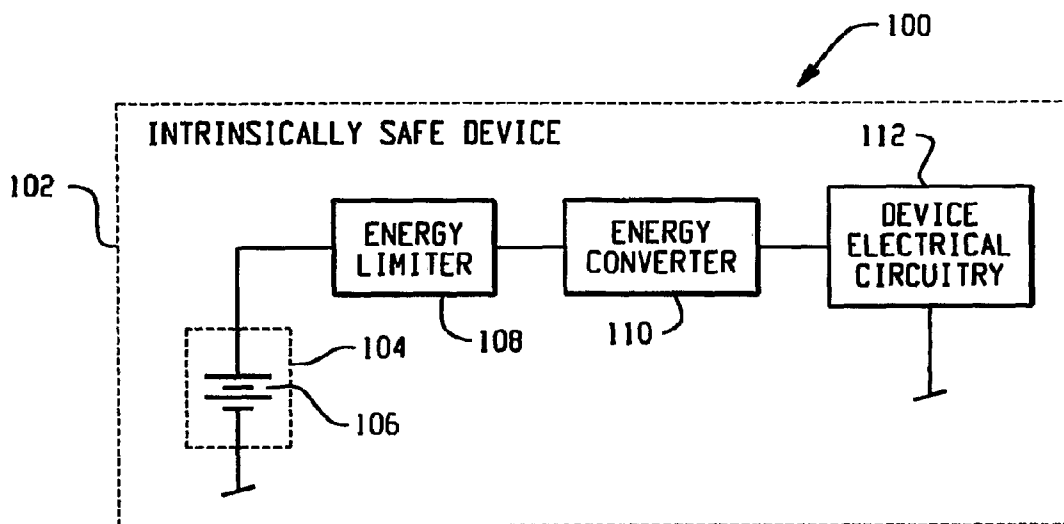
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, 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, MT, 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).

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:  
19 June 2008

(54) Title: INTRINSICALLY SAFE BATTERY POWERED POWER SUPPLY



(57) Abstract: An intrinsically safe battery powered device (100) includes a housing (102), a battery receiving region (104), an intrinsically safe power supply (108, 110), and device electrical circuitry (112). The power supply (108, 110) uses energy from batteries (106) received in the batter receiving region (104) of the device (100) to power the circuitry (112). In one implementation, the power supply includes an intrinsically safe charge pump circuit.



WO 2008/036252 A3

**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/US2007/020171

**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. F21V25/12 H02J1/00

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)  
F21V H02J

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 practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2006/109662 A1 (REIFF PAUL J [US] ET AL) 25 May 2006 (2006-05-25)	1-48
X	abstract paragraphs [0011], [0057], [0064], [0067], [0070], [0071], [0082], [0086], [0089], [0096]	16
Y	WO 2004/025168 A (MOSER PETER [AT]) 25 March 2004 (2004-03-25) paragraphs [0001] - [0003]	1-48
A	SU 1 154 461 A1 (INST GORNOGO DELA IMENI SKOCHI [SU]) 7 May 1985 (1985-05-07) abstract	1-48

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See patent family annex.

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Date of the actual completion of the international search

11 April 2008

Date of mailing of the international search report

22/04/2008

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2007/020171
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2006109662	A1	25-05-2006	NONE	
WO 2004025168	A	25-03-2004	AT 6505 U1 AU 2003209810 A1 EP 1554520 A1	25-11-2003 30-04-2004 20-07-2005
SU 1154461	A1	07-05-1985	NONE	