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- (71) Applicant (for all designated States except US): WIN-FAT INDUSTRIAL COMPANY LIMITED [CN/CN];
Room 2008-10, 20/f, Telford House, 16 Wang Hoi Road, Kowloon Bay, Kowloon, Hong Kong (CN).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): HUI, Shun, Kit [CN/CN]; Room 2008-10 20/f, Telford House, 16 Wang Hoi Road, Kowloon Bay, Kowloon, Hong Kong (CN).
- (74) Agent: YOUNG, Andrew, F.; Lackenbach Siegel, LLP, One Chase Road, Scarsdale, NY 10583 (US).
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(54) Title: ARTICLE OF MANUFACTURE HAVING A REMOVABLE SOLAR RECHARGEABLE POWER SUPPLY

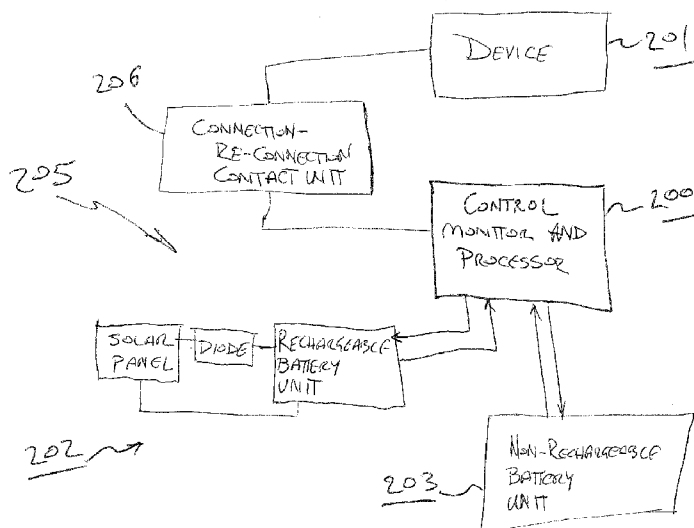


Fig: 8

(57) Abstract: The invention is an electronic device having a removable solar rechargeable power supply. A power supply module and battery pack are removable from the base unit as a sub-unit, or as a kit. The power supply contains batteries that are replaceable and rechargeable. Additionally, the power supply contains a solar cell secured to the power supply and integrated such that the solar cell, when receiving radiation, generates a voltage managed by the circuit to recharge the batteries until a completion level is reached, whereupon the recharging circuit reacts to prevent overcharging and damage to either the circuit or the batteries. An optional feature includes a circuit linking feature to electronically couple to the power supply circuit of the device such that the batteries supply power to the main unit during normal use until the batteries are drained and then the solar cell provides operative power to the main unit.

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A. CLASSIFICATION OF SUBJECT MATTER**H02J 7/35(2006.01)i, H02J 7/02(2006.01)i**

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 H02J 7/35, H02J 7/02

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

Korean Utility models and applications for Utility models since 1975.
Japanese Utility models and applications for Utility models since 1975.

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PAJ, FPD, USPAT, eKOMPASS "Keyword: removable, rechargeable, photovoltaic, multiple power"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5387858 A1 (Academy of Applied Science Rines & Rines) 07 FEBRUARY 1995. See abstract; claims 1-15; figures 1-2B.	1-32
Y	KR 10-2002-0073869 A (LIM, SEONG MOOK) 28 SEPTEMBER 2002. See abstract; claims 1-8; figures 1-7.	1-32
A	EP 1763000 A2 (Solar Wide Industrial Ltd.) 14 MARCH 2007. See abstract; claims 1-8; figures 1-3.	1-32
A	JP 2006-136098 A (KOBASHIGAWA TOKIFUMI) 25 MAY 2006. See abstract; claims 1-9; figures 1-8.	1-32

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"E" earlier application or patent but published on or after the international filing date

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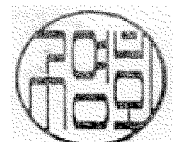
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KOO, Young Hoi

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 05387858 A1	07.02.1995	None.	
KR 10-2002-0073869 A	28.09.2002	None.	
EP 1763000 A2	14.03.2007	EP 1763000 A3	03.10.2007
JP 2006-136098 A	25.05.2006	None.	