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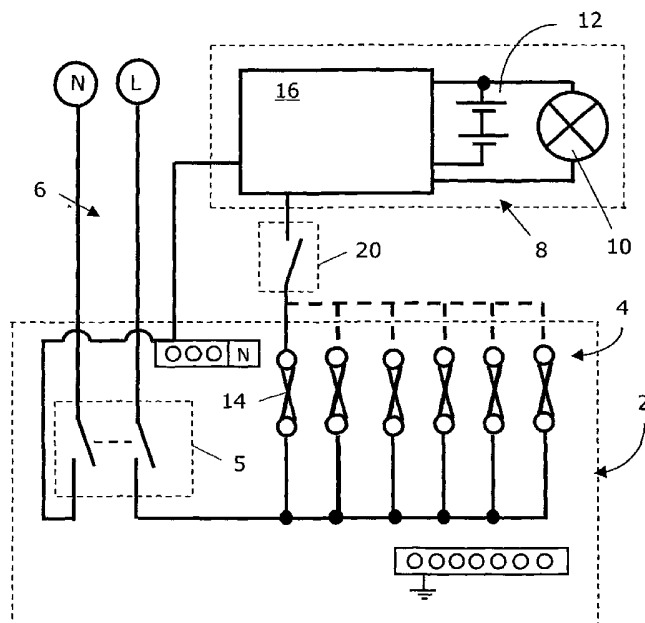
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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: CONSUMER UNIT



(57) Abstract: A consumer unit (2) is provided comprising at least one current protection device (14). The unit (2) is distinguished in that it further comprises at least one light (8, 10) associated with the unit (2), the at least one light (8, 10) being operatively connected to the at least one protection device (14) whereby the at least one light (8, 10) is energized so as to illuminate the unit (2) when the at least one protection device (14) operates.

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INTERNATIONAL SEARCH REPORT

PCT/GB 03/01661

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01H71/04 H05B37/04

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 7 H01H H05B H02J H02B G08B

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)

EP0-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 611 201 A (GUIM RAUL ET AL) 9 September 1986 (1986-09-09) column 2, line 7 - line 59; figure 1 -----	1-3, 10-12, 14-18,20
Y	US 4 749 908 A (STIFTER FRANCIS J) 7 June 1988 (1988-06-07) abstract	1,14,16
Y	figure 1 -----	20
Y	US 4 056 816 A (GUIM RAUL) 1 November 1977 (1977-11-01) abstract; figure 3 -----	2
Y	US 6 052 047 A (MALINGOWSKI RICHARD P ET AL) 18 April 2000 (2000-04-18) abstract ----- -/--	15



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

PCT/GB 03/01661

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 641 828 A (DORMAN & SMITH LTD) 23 August 1950 (1950-08-23) page 1, line 41 - line 57	3
Y	figure 1	10-12
Y	page 3, line 58 - line 71 -----	15
Y	WO 99/60826 A (DURKAN THOMAS ;MCCARTHY PAUL (IE); NOONE SEAN (IE); NOONTEK LIMITE) 25 November 1999 (1999-11-25) page 8, line 26 - line 31 -----	17
Y	GB 2 008 871 A (ESB INT CORP) 6 June 1979 (1979-06-06) abstract -----	18
A	JP 11 113110 A (MATSUSHITA ELECTRIC WORKS LTD) 23 April 1999 (1999-04-23) cited in the application the whole document -----	1
A	US 4 833 461 A (YEAGER RICHARD) 23 May 1989 (1989-05-23) cited in the application the whole document	1

INTERNATIONAL SEARCH REPORT

PCT/GB 03/01661

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-4, 10-18, 20

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-4, 10-18, 20

Combination of a consumer unit and an emergency light unit
with more details concerning the light unit

2. claims: 5-9

A combination of a consumer unit and an emergency light unit
with a battery

3. claim: 19

A combination of a consumer unit and an emergency light unit
with a test facility

INTERNATIONAL SEARCH REPORT

PCT/GB 03/01661

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4611201	A	09-09-1986	US 4633240 A AU 5313186 A EP 0232280 A1 WO 8701231 A1	30-12-1986 10-03-1987 19-08-1987 26-02-1987
US 4749908	A	07-06-1988	NONE	
US 4056816	A	01-11-1977	AR 213979 A1 AU 513566 B2 AU 2928277 A BR 7706616 A CA 1076177 A1 DE 2744676 A1 ES 462928 A1 FR 2367344 A1 GB 1591951 A IL 53020 A IT 1088954 B JP 53044884 A MX 143462 A NL 7710934 A ZA 7705622 A	11-04-1979 11-12-1980 05-04-1979 22-08-1978 22-04-1980 06-04-1978 16-07-1978 05-05-1978 01-07-1981 30-09-1979 10-06-1985 22-04-1978 13-05-1981 07-04-1978 26-07-1978
US 6052047	A	18-04-2000	AU 753399 B2 AU 6804998 A CA 2238901 A1 EP 0887829 A2 ID 20341 A SG 67511 A1 TW 389923 B US 6232855 B1	17-10-2002 03-12-1998 28-11-1998 30-12-1998 03-12-1998 21-09-1999 11-05-2000 15-05-2001
GB 641828	A	23-08-1950	NONE	
WO 9960826	A	25-11-1999	AU 4055999 A CA 2331557 A1 EP 1078555 A1 IE 990397 A1 IE 990398 A2 WO 9960826 A1 US 6396216 B1	06-12-1999 25-11-1999 28-02-2001 10-01-2001 10-01-2001 25-11-1999 28-05-2002
GB 2008871	A	06-06-1979	US 4255746 A US 4199754 A DE 2849581 A1 JP 54082199 A SE 7811926 A	10-03-1981 22-04-1980 05-07-1979 30-06-1979 22-05-1979
JP 11113110	A	23-04-1999	NONE	
US 4833461	A	23-05-1989	NONE	