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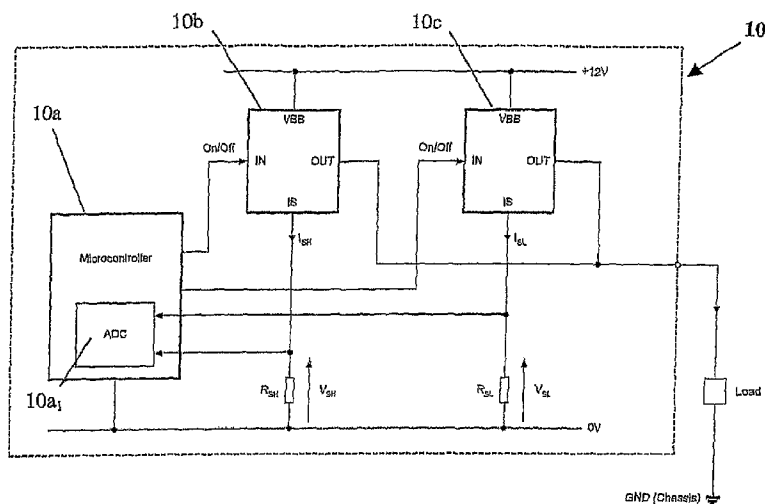
- (74) Agents: **DAWSON, Elizabeth, A.** et al.; A.A. Thornton & Co, 235 High Holborn, London WC1V 7LE (GB).
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CURRENT MEASUREMENT APPARATUS



(57) Abstract: A current measurement apparatus comprises first and second switches (10b, 10c) connected in parallel and operating in different current ranges, coupled to a processor which measures current and a controller which activates one or the other switch depending on the measured current.

WO 2007/007111 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2006/002608

A. CLASSIFICATION OF SUBJECT MATTER INV. G01R19/00		
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) G01R		
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, WPI Data, INSPEC		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 351 061 A (DIALOG SEMICONDUCTOR GMBH [DE]) 8 October 2003 (2003-10-08) abstract paragraphs [0027], [0028] figures 2,3	1-11
X	WO 99/49377 A (SIEMENS AG [DE]; SANDER RAINALD [DE]; SOMMER PETER [DE]; TIHANYI JENOE) 30 September 1999 (1999-09-30) abstract page 8, line 19 - page 9, line 7 page 10, line 6 - line 30 figures 1,2	1-11
A	WO 02/31517 A (PRIMARION INC [US]) 18 April 2002 (2002-04-18) page 13, line 11 - line 24 claim 27	1-11
<input type="checkbox"/> Further documents are listed in the continuation of Box C.		
<input checked="" type="checkbox"/> See patent family 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 27 October 2006		Date of mailing of the international search report 10. 01. 2006
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer LOPEZ-CARRASCO, A

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2006/002608

Box II Observations where certain claims were found unsearchable (Continuation of item 2 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 III Observations where unity of invention is lacking (Continuation of item 3 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.:

1-11

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: 1-11

Current measuring apparatus

2. claims: 12-19

Apparatus for detecting the presence of a load connected to a power distribution unit

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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