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(71) Applicant: BROADCOM CORPORATION [US/US]; 16215 Alton Parkway, Irvine, CA 92618-3616 (US).

(72) Inventors: HWANG, Andrew, SeungHo; 16215 Alton Parkway, Irvine, CA 92618-3616 (US). NAYLOR, Andrew, M.; 16215 Alton Parkway, Irvine, CA 92618-3616 (US). LINDSAY, Steven, B.; 16215 Alton Parkway, Irvine, CA 92618 (US). ABOUHOSSEIN, Habib, Anthony; 16215 Alton Parkway, Irvine, CA 92618-3616 (US). MCDONALD, Scott, Sterling; 16215 Alton Parkway, Irvine, CA 92618-3616 (US).

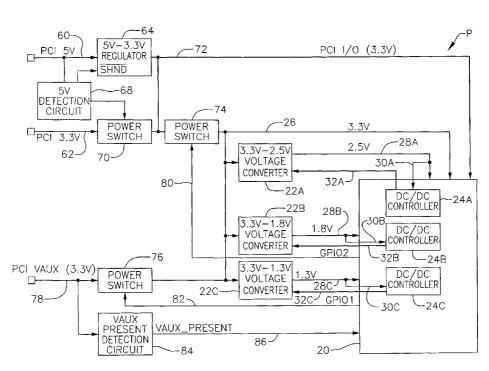
- (74) Agent: BURBACH, Stephen, D.; Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena, CA 91109-7068 (US).
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(54) Title: POWER MANAGEMENT SYSTEM AND METHOD



(57) Abstract: The voltage regulator has several voltage converters (22A-22C) that output voltage signal. An integrated circuit (20) has several voltage converter controllers (24A-24C) that transmit control signals to control the voltage converter based on the output voltage signal.

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.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/13149

<u>.</u>		101/0802/1914/		
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G06F 1/26, 1/32; G05D 11/00 US CL : 713/300, 320, 322; 700/286, 297				
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) U.S.: 713/300, 320, 322; 700/286, 297				
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) EAST, NPL(IEEE)				
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a		Relevant to claim No.	
X 	US 5,946,205 A (KAWAKAMI et al) 31 AUGUST 21.	1999 (31.08.1999), column 5, lines 11-	1, 4-5, 18	
Y	21.		2, 3, 6-17, 19-21	
Y	US 5,249,113 A (PEROL) 28 September 1993 (28.09.1993), column 2, lines 10-13. 4-7, 11, 12, 20, 21			
Y	JP 2000-259288 A (TSUKAZAWA et al) 22 September 2000 (22.09.2000), abstract all. 2, 3, 9, 10, 19			
Y	US 5,938,771 A (WILLIAMS et al.) 17 August 1999 (17.08.1999), column 2, lines 24-46.			
Further	documents are listed in the continuation of Box C.	See patent family annex.		
* S	pecial categories of cited documents:	"T" later document published after the inter	mational filing date or priority	
"A" document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the applica principle or theory underlying the inver "X" document of particular relevance: the c	ntion	
"E" earlier application or patent published on or after the international filing date		"X" document of particular relevance; the c considered novel or cannot be consider when the document is taken alone	ed to involve an inventive step	
"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)		"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		
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	art	
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report		
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	xandria, Virginia 22313-1450 . (703) 305-3230	Telephone No. 703-306-5631		

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/13149

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)			
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1. Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2. Claim 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. Claim 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: Please See Continuation Sheet			
 As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. 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.: 1-21 Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.			

INTERNATIONAL SEARCH REPORT	PCT/US02/13149			
BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LAC				
This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid. This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.				
Group I, claims 1-21, drawn to send at least one control signal to control at least one output voltage.				
Group II, claims 22-32 and 34-59, drawn to control power consumption of an alert sending device.				
Group III, claim 33, drawn to at least one clock controller for setting a frequency of at least one clock signal.				
Group IV, claims 60-70, drawn to boot an alert sending device.				
The inventions listed as Groups I-IV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Because these inventions are distinct for the reason given above and have acquired a separate status in the art as shown by different classification, restriction for examination purpose as indicated is proper.				