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— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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(54) Title: PULSE WIDTH MODULATION LOAD SHARE BUS

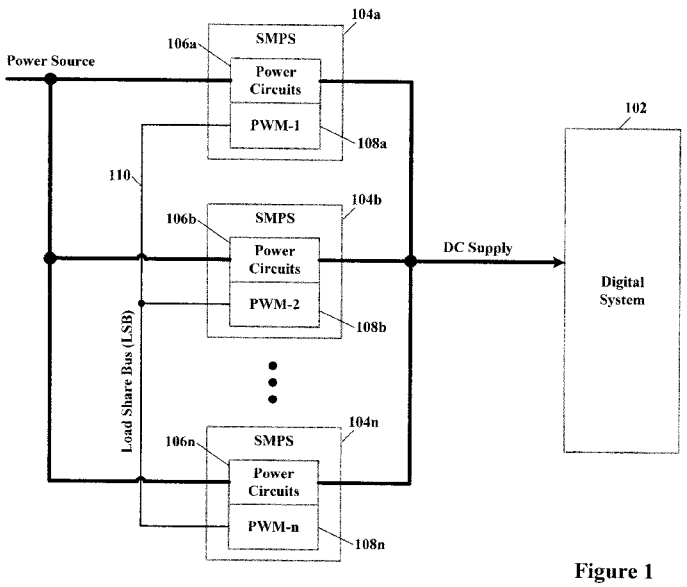


Figure 1

(57) Abstract: Power supply modules have outputs coupled in parallel and convey load share balancing information over a single wire load share bus. Pulse width modulation (PWM) signals represent output loading of each of the power supply modules over the single wire load share bus. The PWM load share signal width (time asserted) of the PWM signal represents the output loading of the respective power supply module. Each of the power supply modules detect the assertion of the PWM signal on the load share bus and then each of them simultaneously drive the load share bus with a PWM signal representing their respective output loading. The power supply module having the greatest percent loading will assert its PWM load share signal longest, and the other power supply modules will thereafter adjust their outputs to more evenly supply power outputs to the load.

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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)
H02J H02M

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)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 2003/141907 A1 (CANOVA ANTONIO [IT] ET AL) 31 July 2003 (2003-07-31) paragraphs [0014] - [0025], [0038], [0043] - [0046], [0052], [0057] - [0065]; figures 1-3	1-21
X	US 8 274 265 B1 (KHANNA SANDEEP [US] ET AL) 25 September 2012 (2012-09-25) columns 4-14; figures 4-12	1-21
X	US 2010/013305 A1 (HEINEMAN DOUGLAS E [US]) 21 January 2010 (2010-01-21) paragraphs [0054], [0075] - [0077]; figures 3,7	1,19
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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Name and mailing address of the ISA/	Authorized officer
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 521 809 A (ASHLEY DONALD J [US] ET AL) 28 May 1996 (1996-05-28) abstract; figure 2 -----	1-21

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Information on patent family members

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