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(54) Title: POWER SUPPLY SYSTEM, LAMP SYSTEM AND METHOD OF CONTROLLING LIGHT INTENSITY

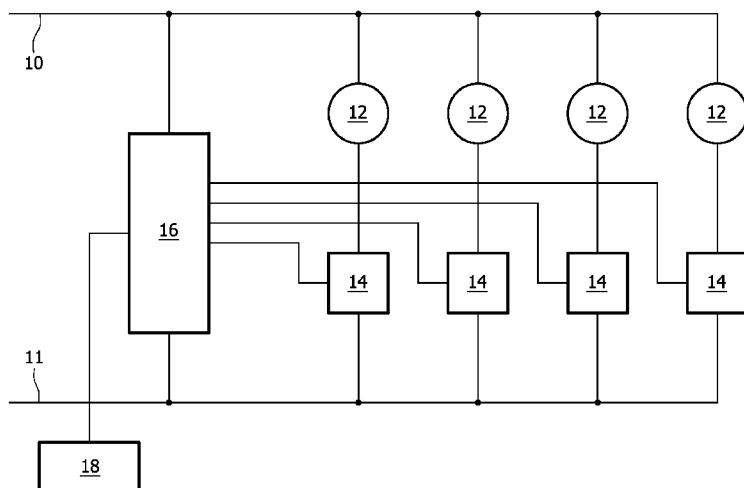


FIG. 1

(57) Abstract: A plurality of loads (12) such as lamps receives power through respective switches. A control circuit (16) controls the switches (14). The control circuit controls energy supplied to the loads (12) by causing the switches (14) to switch current to loads of a first half of the plurality of loads (12) on or off at one or more selectable phase points (30a,b) during each positive half of the AC cycles. The control circuit switches current to loads of a second half of the plurality of the loads (12) half an AC cycle out of phase with corresponding loads in the first half of the loads (12). In an embodiment there are least four loads (12), and the control circuit switches on lamps in the first half at two phase points (230a,b) with a temporal offset with respect to each other.

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Minimum documentation searched (classification system followed by classification symbols)

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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)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/238131 A1 (HWANG JONG-IN [KR]) 26 October 2006 (2006-10-26) page 1, paragraph 3 - page 4, paragraph 58; figures 1,2,3A-3C,4A-4B	1,2,4-7, 11
X	DE 39 03 978 A1 (IMP WERKE GMBH [DE]) 16 August 1990 (1990-08-16) column 1, line 3 - column 5, line 32; figures 1-4	1,2,7,11

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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US 2006238131	A1	26-10-2006	NONE
DE 3903978	A1	16-08-1990	NONE