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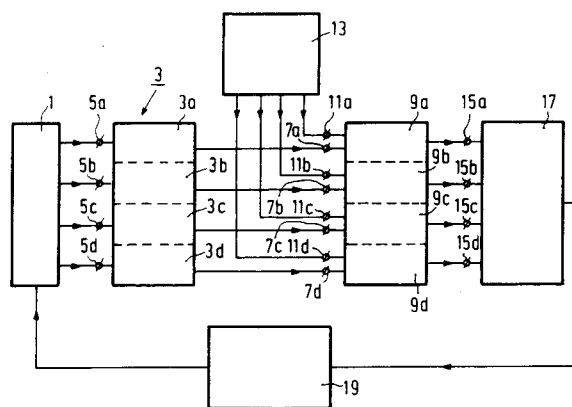
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NL-5656 AA Eindhoven (NL)**(54) **Power supply apparatus.**

(57) The power supply apparatus for supplying a device (1) with electric energy comprises at least two test inputs (5a, ..., 5d) for receiving test signals which are dependent on a variable which itself is dependent on a power applied to the device. Each test input (5a, ..., 5d) is connected to a first input of an associated comparator circuit (9a, ..., 9d), the second input (11a, ..., 11d) of which is connected to a generator (13) for generating a number of reference signals which corresponds to the number of test inputs, said reference signals representing the desired values of said variables. The outputs of the comparator circuits (9a, ..., 9d) are connected to a control member (17) which is adapted to control the power applied to the device (1) by the power supply apparatus so that at least one of the variables is essentially equal to the desired value, the other variables deviating from the desired value in a pre-determined sense only.

**FIG. 1****EP 0 506 178 A3**



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EUROPEAN SEARCH REPORT

Application Number

EP 92 20 0760

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	DE-A-3 726 243 (KABELMETAL ELECTRO GMBH) * column 2, line 55 - line 60 * * column 3, line 35 - column 5, line 1; figure 1 * ---	1,4	G05F1/46 G05F1/575 H01S3/133 H01S3/00 G05F1/66
D,A	PHILIPS TECHNICAL REVIEW vol. 39, no. 2, 1980, EINDHOVEN, NL pages 37 - 47 J.C.J. FINCK ET AL. 'A Semiconductor Laser for Information Read-out' * figure 14 * ---	1,4	
A	PATENT ABSTRACTS OF JAPAN vol. 10, no. 27 (E-378)(2084) 2 April 1986 & JP-A-60 187 074 (TOSHIBA K.K.) 24 September 1985 * the whole document * ---	1	
A	US-A-4 019 105 (CORNELL ET AL.) * column 1, line 53 - column 2, line 16 * * column 3, line 59 - column 4, line 62; figures * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G05F H01S
Place of search THE HAGUE		Date of completion of the search 30 MARCH 1993	Examiner SAAW L.J.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		I : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	