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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR CONTROLLING THE INPUT TO 3-PHASE AC INDUCTION MOTORS

(57) Abstract: A method and apparatus are described for controlling the flow of power in each input line to a three phase AC inductive load in order to reduce the amount of VAR in the system, and thus increase the operational efficiency of the inductive load. Solid state relays are positioned in series in each of the three inductive load line inputs, and current allowed to flow to the inductive load only during the time during which the SSRs are in a conducting state. The calculation of VAR is achieved by processing data from each of the input lines using a separate controller boards each dedicated to each of the lines. The controller in turn, based on the calculated VAR, increments the time, either increasing or decreasing it from a predetermined value, during which the SSRs in that line remains in the non-conducting state. '



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: **G05F 1/70(2006.01),3/00(2006.01)**

USPC: 323/205

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. : 323/205, 299, 300; 318/729

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,637,975 A (PUMMER et al) 10 January 1997 (10.01.1997), see entire document.	1-20
A	US 4,453,122 A (JOHNSON et al) 05 January 1984 (05.01.1984), see entire document.	1-20
A	US 6,104,177 A (FRITSCH et al) 15 August 2000 (15.08.2000), see entire document.	1-20



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