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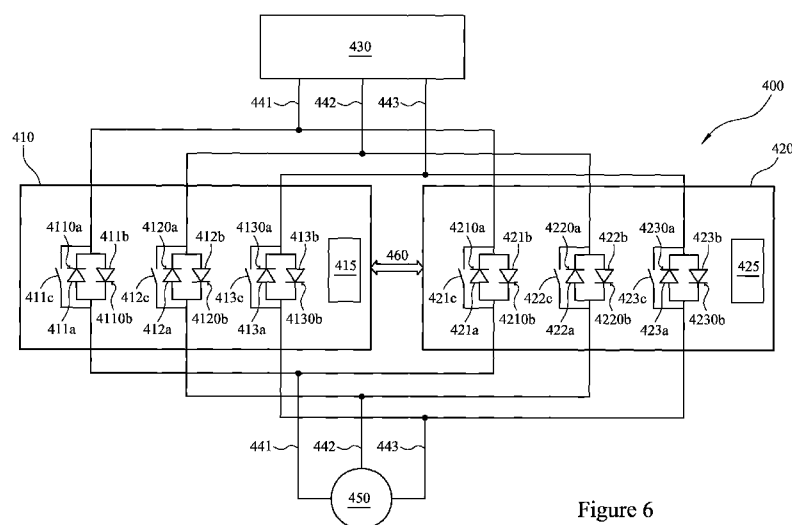


Figure 6

(57) **Abstract:** A system for controlling an AC motor is provided. The system comprises an electrical connection path for connecting an electrical input of the AC motor to a first phase of alternating current from an electric power supply. The system also comprises two or more motor controllers, each motor controller is located on the electrical connection path between the electric power supply and the AC motor and is operable to regulate current of the first phase passing through it. Each motor controller is connected in parallel, relative to the other motor controllers, to the electrical connection path. At least one processor is configured to control the motor controllers to repeatedly change which of the motor controllers current of the first phase passes through, such that at any given time current of the first phase only passes through one of the motor controllers. A corresponding method is also provided.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER		
INV.	H02P1/02	H02P1/16
	H02H7/08	
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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)		
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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 practicable, search terms used)		
EPO-Internal, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CN 203 399 022 U (HEILONGJIANG INST OF TECHNICIANS) 15 January 2014 (2014-01-15) abstract paragraph [[0002]] - paragraph [[0005]]; claim 1; figure 1	1-32
X	SU 1 396 206 A1 (DN GORNYJ I IM ARTEMA [SU]) 15 May 1988 (1988-05-15)	33
Y	column 2, line 1 - line 31; figure 1	1-32
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☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.		
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Date of the actual completion of the international search		Date of mailing of the international search report
31 May 2017		13/06/2017
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016		Authorized officer Landi, Matteo

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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	Anonymous: "SCR-Series and Parallel connections - Electronic Circuits and Diagram-Electronics Projects and Design", 14 September 2009 (2009-09-14), XP055376681, Retrieved from the Internet: URL: http://www.circuitstoday.com/scr-series-and-parallel-connections [retrieved on 2017-05-29] the whole document -----	1-33
A	CN 104 660 111 A (UNIV SHAANXI SCIENCE & TECH; SHAANXI KEDA ELECTRIC CO LTD) 27 May 2015 (2015-05-27) claims 1-4; figure 1 -----	1-33

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
CN 203399022	U	15-01-2014	NONE	
SU 1396206	A1	15-05-1988	NONE	
CN 104660111	A	27-05-2015	NONE	