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(54) Title: MULTI - INPUT UNINTERRUPTIBLE POWER SUPPLY WITH AN AC VOLTAGE OUTPUT

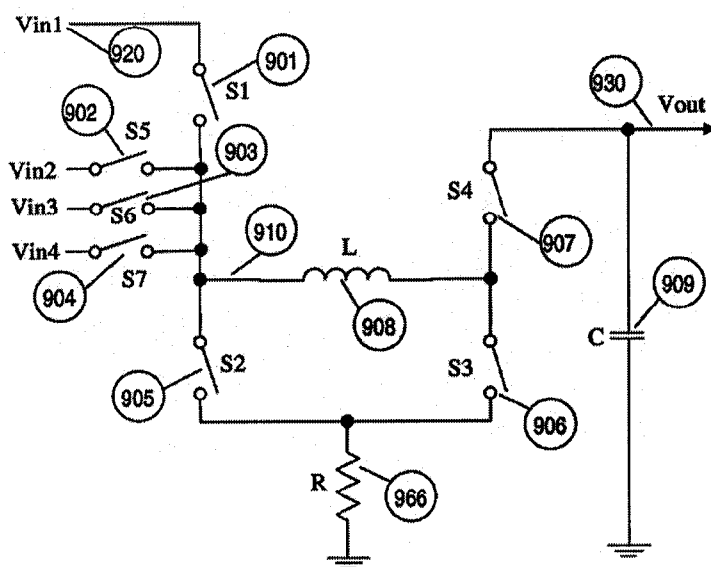


Fig. 9A

(57) Abstract: An uninterruptible power supply device, and method of use thereof, including a multiple-input source AC converter for receiving an AC input voltage and a DC input voltage, an inverter including a combiner module for combining the input power sources, and an AC/AC switching transformer, the inverter being controlled by a controller to provide an output voltage signal, the controller configured to sample the input voltage signal, the switching signal current and the output voltage signal, and to control the switching transformer based thereon so as to render the output voltage signal sinusoidal.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. H02M7/797 H02J9/06 H02M1/10
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)
H02M H02J

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	WO 2008/024529 A2 (LAWSON LABS INC [US]; MORONG WILLIAM H [US]; LAWSON THOMAS E [US]) 28 February 2008 (2008-02-28) figures 1,2,4,5A,6A,6B,6C,10 paragraphs [0011], [0018], [0019], [0021], [0064], [0066], [0070], [0071], [0072], [0077], [0086], [0125], [0181], [0185] claim 8	1-13
Y	US 2010/148587 A1 (KHALIGH ALIREZA [US]) 17 June 2010 (2010-06-17) figure 1 paragraphs [0012], [0031], [0032], [0033], [0046]	1-13
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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.
Y	PRADEEP K SOOD ET AL: "Power conversion distribution system using a high-frequency AC link", IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, IEEE SERVICE CENTER, PISCATAWAY, NJ, US , vol. 24, no. 2 1 April 1988 (1988-04-01), pages 288-300, XP002696203, ISSN: 0093-9994, DOI: 10.1109/28.2869 Retrieved from the Internet: URL:http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=2869 figure 4(b) -----	4,7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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			US 2008055940 A1 06-03-2008
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