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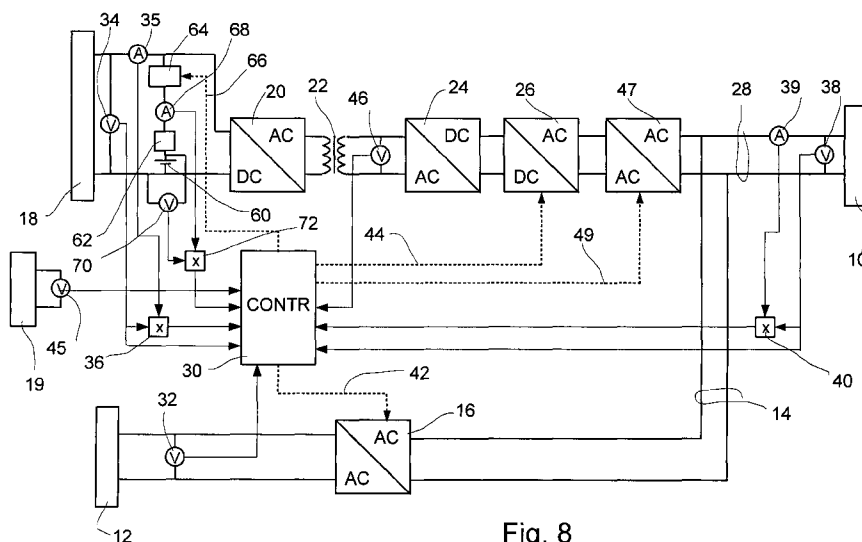


Fig. 8

(57) Abstract: The system comprises: a static switch (16) between an A.C. current supply network mains (12) and a load (10), the switch being controllable to connect or isolate the load from the mains; a voltage booster (20, 22, 24) connectable to the output of a set of photovoltaic panels (18); a static DC/ AC converter (26), connectable to the voltage booster (20, 22, 24) for generating a voltage at 50Hz; a static switch (47) from the output of the static converter (26) to the load (10), and controllable to connect or isolate the load from the photovoltaic generator; and a controller (30) receiving voltage, current and power signals from respective sensors (32, 34, 35, 36, 38, 39, 40, 45), and which is programmed to control the switches in order to instantaneously connect and isolate the load with respect to the mains or the photovoltaic panels, depending on circumstances.

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INTERNATIONAL SEARCH REPORT

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H02J

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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.
Y	GB 2 419 968 A (ENECYS LTD [GB]; ENECSYS LTD [GB]) 10 May 2006 (2006-05-10) abstract figures 1,2a,2b,3 pages 2,4	1-4
Y	JP 09 191579 A (KENSETSUSHO KANTO CHIHO KENSET; SHOWA SHELL SEKIYU; JAPAN STORAGE BATT) 22 July 1997 (1997-07-22) abstract paragraph [0006] figure 1	1-4
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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	HIRACHI K ET AL: "Utility-interactive multi-functional bidirectional converter for solar photovoltaic power conditioner with energy storage batteries" INDUSTRIAL ELECTRONICS, CONTROL, AND INSTRUMENTATION, 1996., PROCEEDINGS OF THE 1996 IEEE IECON 22ND INTERNATIONAL CONFERENCE ON TAIPEI, TAIWAN 5-10 AUG. 1996, NEW YORK, NY, USA, IEEE, US, vol. 3, 5 August 1996 (1996-08-05), pages 1693-1698, XP010203237 ISBN: 978-0-7803-2775-7 abstract figures 1,4 -----	1-4

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
GB 2419968	A	10-05-2006	NONE	
JP 9191579	A	22-07-1997	NONE	