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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR ANTI-ISLANDING OF DISTRIBUTED POWER GENERATION SYSTEMS

(57) Abstract: A method and apparatus for anti-islanding of distributed power generation systems having an inverter comprising a phase locked loop (PLL), a phase shift generator for injecting a phase shift into the PLL during at least one sample period, and a phase error signature monitor for monitoring at least one phase error response of the PLL during the at least one sample period.

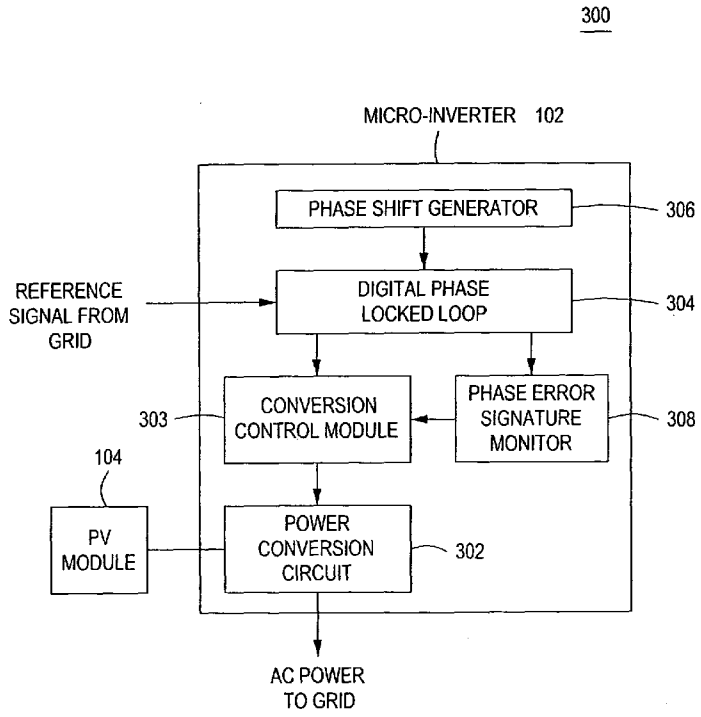


FIG. 3

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2008/008712

A. CLASSIFICATION OF SUBJECT MATTER

H02M 7/00(2006.01)i

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)

IPC : H03K 5/26 , H03L 7/06, G11B 5/09, G11B 20/10, H04L 7/02 , H04L 25/49

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

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

eKIPASS(KIPO internal) & keyword : PLL, error, shift and inverter

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 55-31310 A (JAPAN RADIO CO., LTD.) 05 March 1980 See the abstract and claim 1	1-21
A	JP 59-119521 A (HITACHI LTD.) 10 July 1984 See the abstract and claims 1-4	1-21
A	JP 07-201136 A (SONY CORP.) 04 August 1995 See the whole documents	1-21
A	JP 61-9058 A (HITACHI LTD.) 16 January 1986 See the whole documents	1-21

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
23 FEBRUARY 2009 (23.02.2009)	**24 FEBRUARY 2009 (24.02.2009)**
Name and mailing address of the ISA/KR Korean Intellectual Property Office Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer CHIN Sang Bum Telephone No. 82-42-481-8239

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 55-031310 A	05.03.1980	None	
JP 59-119521 A	10.07.1984	None	
JP 07-201136 A	04.08.1995	None	
JP 61-009058 A	16.01.1986	None	