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61/288,298 20 December 2009 (20.12.2009) US(71) Applicant (for all designated States except US): **MI-CROSEMI CORPORATION** [US/US]; 11861 Western Ave., Garden Grove, California 92841 (US).

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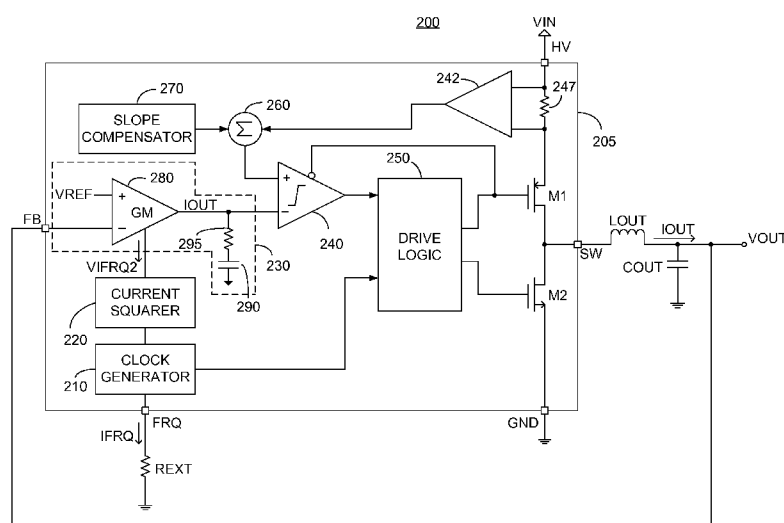


FIG. 2A

(57) Abstract: A power converter constituted of: a reference source; a clock generator exhibiting a variable frequency output, the value of the frequency of the variable frequency output responsive to an input signal; and an error amplifier in communication with the reference source, the error amplifier exhibiting a gain whose value is responsive to the input signal. Preferably the error amplifier is a transconductance amplifier. In one embodiment the power converter further exhibits a current squarer, arranged to produce a squared value of the input signal and provide the squared value to the transconductance amplifier.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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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)
H02M

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 practical, search terms used)

EP0-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 3 989 995 A (PETERSON WILLIAM ANDERS) 2 November 1976 (1976-11-02) column 1, line 26 - line 33 -----	1-13, 17-20
X	US 2009/200996 A1 (OJANEN MARTTI [FI] ET AL) 13 August 2009 (2009-08-13) paragraph [0044] -----	1-20
X	US 7 196 580 B2 (RYOO TAE H [KR] ET AL) RYOO TAE HA [KR] ET AL 27 March 2007 (2007-03-27) abstract figure 2 column 2, line 19 - line 27 column 5, line 42 - line 55 ----- -/--	1-20



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INTERNATIONAL SEARCH REPORT

International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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