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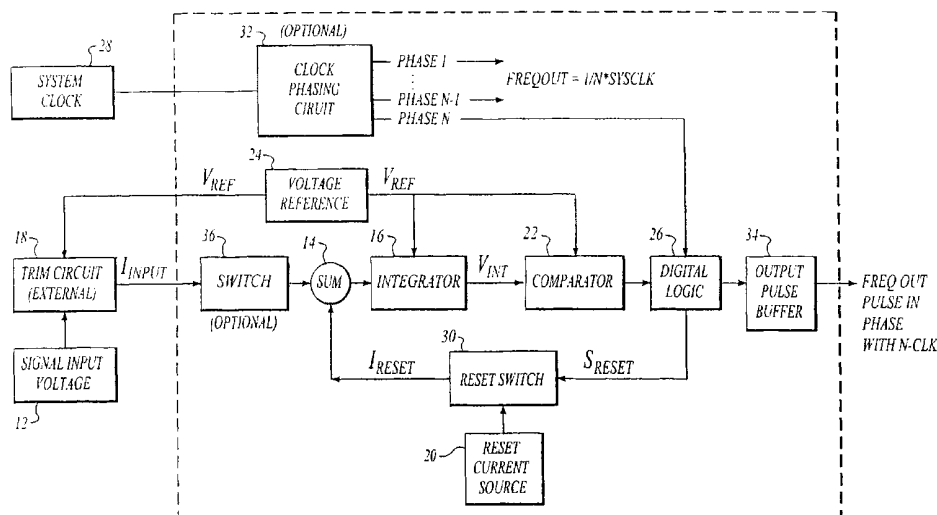
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **MULTI-CHANNEL PRECISION SYNCHRONOUS VOLTAGE-TO-FREQUENCY CONVERTER**



(57) Abstract: A multi-channel synchronous voltage-to-frequency converter (SVFC) realized in an integrated semiconductor circuit. The multi-channel SVFC having an operational amplifier adapted to receive an analog data signal to be converted and a reset signal, the operational amplifier integrating the sum of the analog signal and the reset signal and generating an output signal as a function of the integrated sum; a comparator coupled to received the integrated sum and a reference level signal, the comparator outputting a logic level signal as a function of the received reference level signal; a digital logic circuit in response to an external clock signal, the digital logic circuit receiving the logic level signal and generating a reset control signal and a frequency output pulse as a function of the logic level signal; and a reset source switch receiving the reset control signal and outputting the reset signal.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/26814

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03K7/06

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 7 H03K H03M

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)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 408 169 A (FRASER ALLAN B) 4 October 1983 (1983-10-04) column 9, line 65 -column 10, line 10; figures 1,5	1,10,20
A	US 4 720 841 A (HOOPER WILLIAM P) 19 January 1988 (1988-01-19) figure 1	1,10,20
A	US 5 917 346 A (GORD JOHN C) 29 June 1999 (1999-06-29)	
A	US 4 651 027 A (HERZL PETER J) 17 March 1987 (1987-03-17)	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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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
US 4408169	A	04-10-1983	NONE	
US 4720841	A	19-01-1988	NONE	
US 5917346	A	29-06-1999	AU 9314698 A CA 2303022 A1 EP 1012974 A1 JP 2001516980 T WO 9913574 A1	29-03-1999 18-03-1999 28-06-2000 02-10-2001 18-03-1999
US 4651027	A	17-03-1987	NONE	