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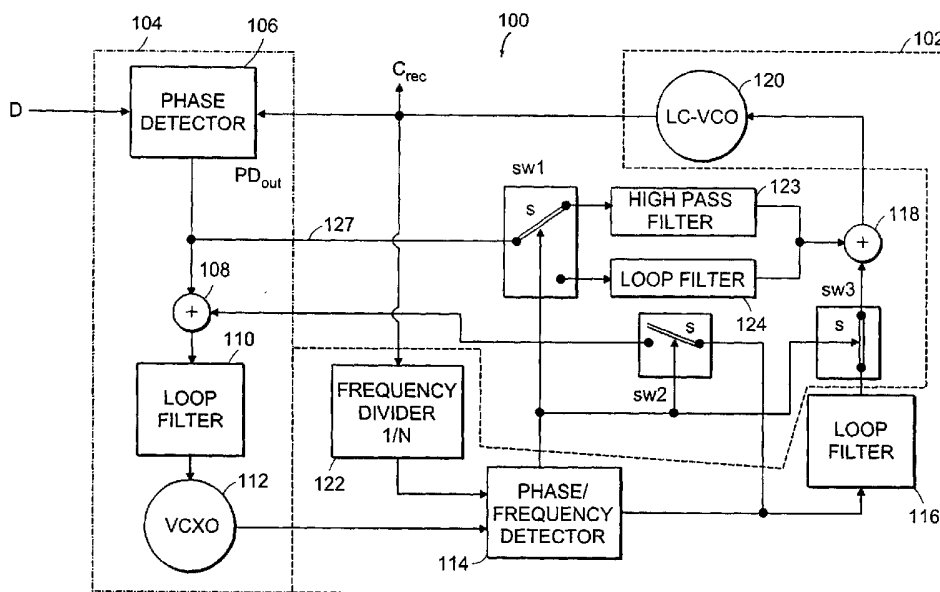
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(54) Title: CLOCK RECOVERY CIRCUIT



(57) Abstract: A clock recovery detector circuit for use with a high-speed data signal having a low signal to noise ratio is disclosed. The circuit includes a first phase-locked loop circuit (104) operating in a fast acquisition mode for acquiring the clock from a data signal (D), a second phase locked loop circuit (102) for operating in a normal mode to recover the clock signal (C_{rec}) in the digital data signal once the first phase locked loop circuit (104) has acquired the clock from the data signal, and a switch circuit (sw1, sw2, sw3) responsive to switch control signals for switching between the first phase locked loop circuit (104) and the second phase locked loop circuit (102) after the first phase locked loop circuit (104) has acquired the digital data signal.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H03K 5/01
 US CL : 327/165

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)
 U.S. : 327/165, 147, 155, 156, 163

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)
 USPAT, EPO, JPO, DERWNT, IBM_TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,953,185 A (Goode) 28 August 1990 (28.08.1990), ABSTRACT	1, 3, 15
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A		2, 4-14, 16-22
X	US 5,726,607 A (Brede et al) 10 March 1998 (10.03.1998), column 13, lines 15-21.	1, 3, 15

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"I"	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
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"O" document referring to an oral disclosure, use, exhibition or other means		
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