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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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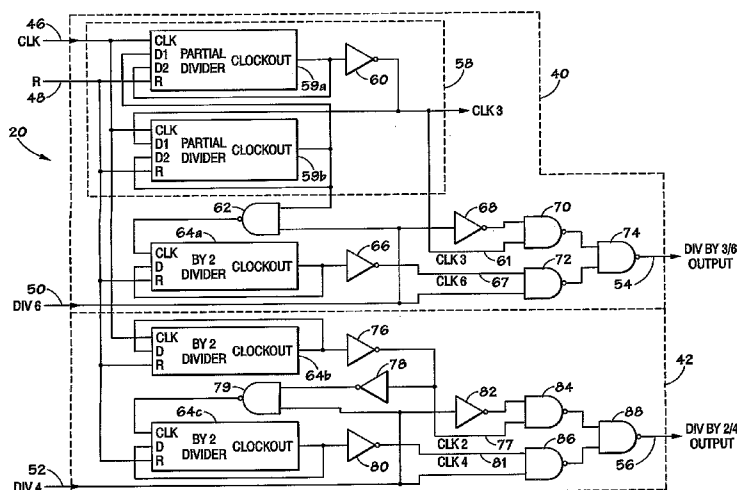
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND APPARATUS FOR DIVIDING A CLOCK SIGNAL



(57) Abstract: There is provided a true single phase logic clock divider (20) that is configured to divide a clock signal (46) by increments of two, three, four, or six. Because the true single phase logic clock divider (20) is based on true single phase logic instead of static logic, the true single phase logic clock divider (20) is able to reliably divide clock signals (46) that could not reliably be divided by clock dividers based on static logic gates. There is also provided a method comprising receiving an input signal (46) with a frequency between 2.5 gigahertz and 4 gigahertz and producing an output signal (54) with a frequency approximately one-third of the frequency of the input signal.

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INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER
INV. G06F1/06

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)
G06F

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.
X	US 6 166 571 A (WANG HONGMO [US]) 26 December 2000 (2000-12-26) column 1, line 21 - column 2, line 38 column 3, line 17 - column 5, line 26 figure 2	1-16
A	-----	17-22
X	US 6 566 918 B1 (NGUYEN ANDY T [US]) 20 May 2003 (2003-05-20) abstract column 1, lines 32-40 column 4, line 12 - column 5, line 37 figures 3,4	17-22
A	-----	1
A	US 6 448 831 B1 (HUNT JR BARRY TRAVIS [US] ET AL) 10 September 2002 (2002-09-10) the whole document	1-16

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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 6166571	A	26-12-2000	NONE	
US 6566918	B1	20-05-2003	US 2003107415 A1	12-06-2003
US 6448831	B1	10-09-2002	NONE	