(51) International Patent Classification: G06F 1/08
(21) International Application Number: PCT/US2003/015306
(22) International Filing Date: 15 May 2003 (15.05.2003)
(25) Filing Language: English
(26) Publication Language: English
(74) Agents: MALLIE, Michael, J. et al.; Blakely Sokoloff Taylor & Zafman, 7th Floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).


Published:
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 19 February 2004

(Continued on next page)

(54) Title: MAINTAINING PROCESSOR EXECUTION DURING FREQUENCY TRANSITIONING

(57) Abstract: An embodiment of the present invention includes a standby clock generator (340) and a selector (350). The standby clock generator (340) generates a standby clock synchronous to a core clock. The core clock is generated by a core clock generator (320) during a normal operation mode. The core clock generator (320) stops the core clock during a frequency transition. The selector (350) generates a processor clock from the standby clock during the frequency transition from the normal operation mode according to a selector control signal.
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.
# INTERNATIONAL SEARCH REPORT

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC 7** G06F1/08

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** 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

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<th>Category</th>
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<td>X</td>
<td>US 5 142 247 A (LE HUNG Q ET AL) 25 August 1992 (1992-08-25) column 4, line 7 - line 26 column 5, line 45 - column 6, line 22; figures</td>
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Date of the actual completion of the International search: 12 December 2003

Date of mailing of the International search report: 19/12/2003

Name and mailing address of the ISA:

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 940-0040, Tx: 31 651 epo nl,
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