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(54) Title: TECHNIQUES FOR FACILITATING CONVERSION BETWEEN ASYNCHRONOUS AND SYNCHRONOUS DOMAINS

![Diagram]

(57) Abstract: An interface for use between an asynchronous domain and a synchronous domain is described. The asynchronous domain is characterized by transmission of data in accordance with a delay-insensitive handshake protocol. The synchronous domain is characterized by transmission of data in accordance with transitions of a clock signal. The interface includes a datapath operable to transfer a data token between the domains. The interface also includes control circuitry operable to enable transfer of the data token via the datapath in response to a transition of the clock signal and at least one completion of the handshake protocol.
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.
A. CLASSIFICATION OF SUBJECT MATTER

IPC 7: G06F13/40

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 database consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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