

Title (en)
CONTROLLED FREQUENCY CORE PROCESSOR AND METHOD FOR STARTING-UP SAID CORE PROCESSOR IN A PROGRAMMED MANNER

Title (de)
KERNPROZESSOR MIT GESTEUERTER FREQUENZ UND VERFAHREN ZUM HERAUFFAHREN DES KERNPROZESSORS AUF PROGRAMMIERTE WEISE

Title (fr)
COEUR PROCESSEUR A FREQUENCE PILOTEE ET PROCEDE DE DEMARRAGE DUDIT COEUR PROCESSEUR DANS UN MODE PROGRAMME

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Application
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Abstract (en)
[origin: WO2008009609A2] The invention concerns a controlled frequency core processor. It comprises at least one processor, a non-volatile memory comprising a start-up program, a bridge interconnecting the busses which link the different components of said core processor, an interface component. The non-volatile memory comprises at least two corresponding configurations with respect to the frequency, each of which has a mode of operation of the busses and/ or of the components of said core processor. The non-volatile memory comprises an information which allows for determining which mode of operation has to be used, wherein said information is read by the interface component in order to determine the selected mode. The interface component generates one or several clock signals. The frequency of said clock signals generated substantially corresponds to the one described by the configuration of the selected mode. The clock signals control the busses and/ or the components of said core processor. The invention also concerns a method for starting-up said core processor in a programmed manner. In particular, the invention is applied to core processors installed in an aircraft.

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