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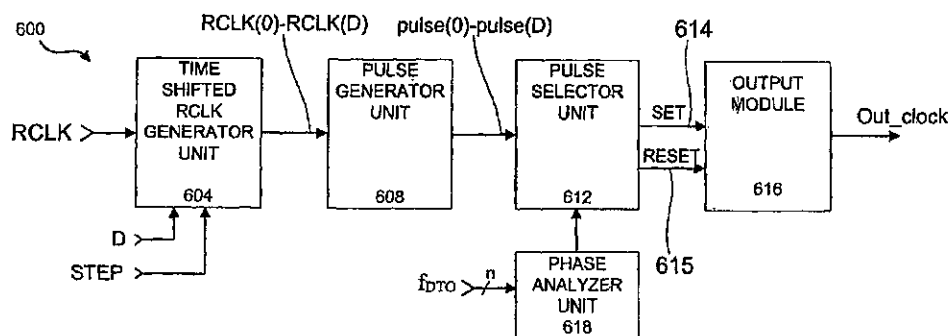
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(54) Title: METHOD AND APPARATUS FOR DIGITAL FREQUENCY CONVERSION



(57) Abstract: A general method is provided to achieve frequency conversion in an all-digital frequency conversion device that produces an output signal having a selectable phase and frequency that is substantially synchronous with the input signal to be converted. A multiplicity of time-shifted signals is generated, and appropriate ones are selected to set and reset an output signal. An apparatus, computing system, and software product that implement the present invention are also provided.