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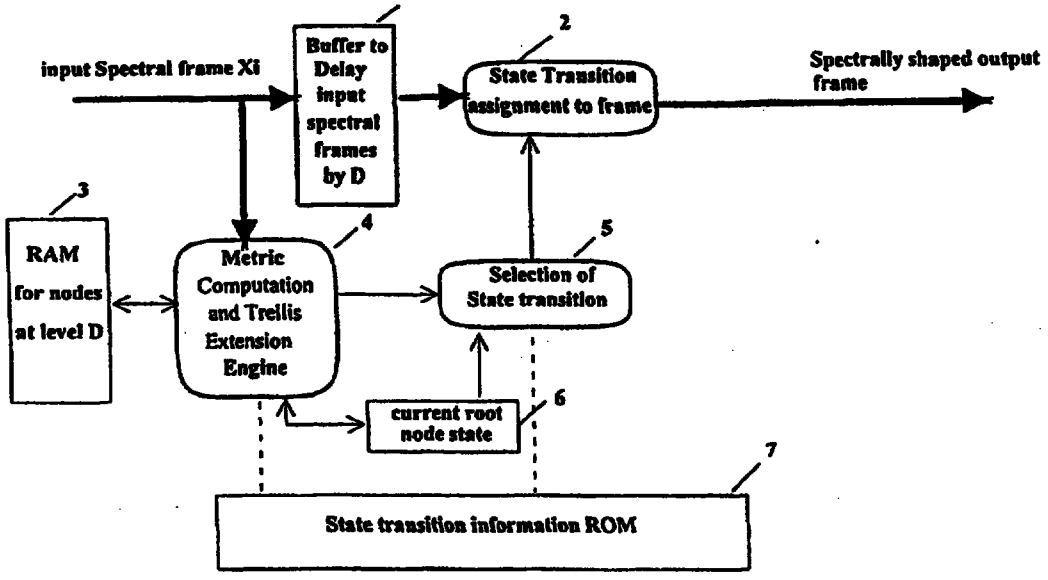
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(54) Title: METHODS OF EFFICIENT IMPLEMENTATION OF TRELLIS BASED SPECTRAL SHAPING WITH LOOKAHEAD



(57) Abstract

Methods and apparatus for efficient implementation of a frame based trellis spectral shaping with a variable look–ahead depth are provided. Conventionally, a look–ahead depth results in a start–up phase followed steady state phase, resulting in increased complexity. Uniformity in the implementation for variable look–ahead delays is possible by allowing a predetermined path in the trellis during the start–up phase. The preferred method of implementation of the trellis based spectral shaping reduces memory and computational requirements.