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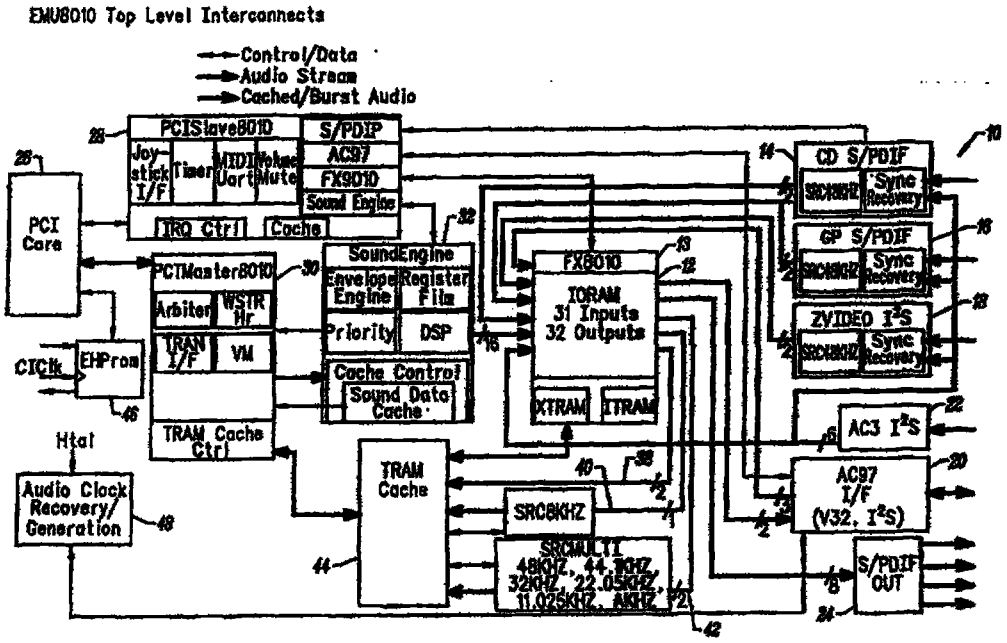
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(54) Title: AUDIO EFFECTS PROCESSOR WITH MULTIPLE ASYNCHRONOUS AUDIO STREAMS



(57) Abstract

A sound processor integrated on a single chip with multiple digital sound sample stream inputs. Each input is independently connected to separate ports of a multi-port memory. The architecture allows multiple, asynchronous digital sound sample streams to be concurrently loaded into the memory without requiring synchronization to any particular input stream.