Multichannel Signal Time Encoding and Decoding

Technology #m03-060

“Name of the inventor: Aurel Lazar

Circuits For Recovering a Signal from Time Encoding Machine

A decoder circuit and methods for decoding a signal encoded by a multichannel time encoding machine encoder comprises of time decoding machines (TDM). Each of the TDMs has an input for receiving a set of asynchronous trigger values representing the signal to be decoded. The filter elements are operatively coupled to TDMs. The TDMs and filter elements have an overall response selected to substantially invert the encoding process to encode the signal. Decoder for Signal from A Multichannel Time Encoding Machine The circuit and method provide techniques for performing high resolution A/D and D/A conversion using substantially lower power supply voltages. ”

Inventors

Aurel Lazar