Title (en)

PARALLEL PULSE CODE MODULATION SYSTEM AND METHOD

Title (de)

PARALLEL-PULSCODEMODULATIONSSYSTEM UND VERFAHREN

Title (fr)

SYSTEME ET METHODE DE MODULATION PARALLELE PAR IMPULSIONS CODEES

Publication

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Application

EP 04728141 A 20040419

Priority

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Abstract (en)

[origin: WO2005101916A1] The present invention provides a parallel pulse code modulation system enabling the independent control of a plurality of groups of one or more electronic devices. The system comprises a memory unit for receiving control data, from an external source, wherein this memory unit is configured to enable writing of the control data thereto and reading of the control data therefrom. The system further comprises a multiplexer connected to the memory unit for receiving the control data from the memory unit and organizing the control data into a serial data stream comprising groups of data. A shift register connected to the multiplexer receives the serial data stream from the multiplexer and translates each group of data into a parallel data stream output. Each parallel data stream output represents control parameters for a particular group of one or more electronic devices. A latch connected to the shift register and to the plurality of groups of one or more electronic devices, receives each parallel data stream output and sends a particular parallel data stream output to a corresponding group of one or more electronic devices, thereby providing independent control of the plurality of groups of one or more electronic devices. A logic sequencer integrated into the system provides sequencing and timing signals to the memory unit, the multiplexer, the shift register and the latch, thereby controlling actions and timing thereof.

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