

Title (en)

DATA TRANSMISSION SYSTEM WITH AT LEAST ONE TRANSMITTER AND AT LEAST ONE RECEIVER AND PROCESS FOR INITIALISING THE SYSTEM AND FOR SYNCHRONISING THE TRANSMITTER(S) AND THE RECEIVER(S)

Title (de)

DATENÜBERTRAGUNGSSYSTEM MIT MINDESTENS EINEM SENDER UND MINDESTENS EINEM EMPFÄNGER SOWIE VERFAHREN ZUR INITIALISIERUNG DES SYSTEMS UND ZUR SENDER-EMPFÄNGER-SYNCHRONISATION

Title (fr)

SYSTEME DE TRANSMISSION DE DONNEES COMPRENANT AU MOINS UN EMETTEUR ET AU MOINS UN RECEPTEUR, ET PROCEDE D'INITIALISATION DE CE SYSTEME ET DE SYNCHRONISATION EMETTEUR-RECEPTEUR

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Abstract (en)

[origin: WO9725699A1] A data transmission system with one transmitter or several transmitters having the same design and one receiver or several receivers having the same design is disclosed for transmitting data through a common transmission channel, as well as a process for initialising the system and for synchronising the transmitter(s) and receiver(s). Each transmitter has an address memory in which an identification address may be stored. Each receiver has an address memory in which the addresses of the transmitters may be stored. The data are transmitted in packets. Each transmitter send its data packets within its own characteristic time intervals and each receiver can receive the data packets from one or several transmitters. Transmitters and receivers are provided with corresponding means for initialising a system composed of one or several transmitters and receivers. The initialising means make it possible to initialise the system manually or automatically upon instruction by a user. Thanks to this initialisation the system determines which transmitter(s) are allocated to a receiver, i.e. which transmitters and which receivers belong to a certain system, and what is the length of the characteristic time intervals within which each transmitter transmits data. Each transmitter and each receiver preferably has a control circuit with timing means which activate the transmitters only at their transmission times and which activate the receivers substantially only at the transmission times of one or several transmitters in order to save energy.

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