

Title (en)

ASYNCHRONOUS POWER LINE TRANSMISSION APPARATUS

Title (de)

VORRICHTUNG ZUR ASYNCHRONEN ÜBERTRAGUNG ÜBER ENERGIEVERSORGUNGSLEITUNGEN

Title (fr)

DISPOSITIF DE TRANSMISSION A LIGNE D'ENERGIE ASYNCHRONE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0122380A1] An asynchronous power line transmission apparatus generates impulse radio data signals at rising edges and falling edges of data pulses and transmits the impulse radio data signals via a power line to other asynchronous power line transmission apparatus. Further, the asynchronous power line transmission apparatus receives impulse radio data signals transmitted from the other asynchronous power line transmission apparatus, clips levels of received positive and negative impulse radio data signals in order to remove a noise inserted into the received impulse radio data signals, respectively, reconstructs impulse pairs consisting of a positive set impulse from the positive impulse radio data signals and a positive reset impulse from the negative impulse radio data signals, and reproduces the data pulses transmitted from the other asynchronous power line transmission apparatus by selecting only a first pulse of each impulse pair if the selected pulse is a set pulse, a high level signal pulse is generated and if the selected pulse is a reset pulse, a low level pulse signal is generated.

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G08C 19/00

IPC 8 full level

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Citation (search report)

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