Title (en)

RADIO COMMUNICATION SYSTEM, RECEIVER, AND TRANSMITTER

Title (de)

FUNKKOMMUNIKATIONSSYSTEM SOWIE EMPFÄNGER UND SENDER DAFÜR

Title (fr)

SYSTÈME DE COMMUNICATION RADIO, RÉCEPTEUR, ET ÉMETTEUR

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2312788A1] Provided are a radio communication system, a receiver, and a transmitter, which are capable of reducing an operation time period of a reception circuit of the receiver and achieving reduction in power consumption even if there is a clock error between the transmitter and the receiver. In a case of a conventional method illustrated in FIG. 1(A) , the receiver is operated earlier by a time period (Tm), to thereby achieve synchronization before the clock error of the receiver exceeds the time period (Tm). This requires an extended reception time period for achieving clock synchronization, which therefore prevents the receiver from reducing its power consumption. In view of this, according to the present invention, as illustrated in FIG. 1(B) , a synchronization signal is continuously transmitted from the transmitter a plurality of times in a short period of time, and the receiver receives only one of the continuously-transmitted synchronization signals. With this, the receiver can achieve synchronization of a reference clock by starting a reception operation earlier only by a time period (Tm') (Tm'#¤Tm).

IPC 8 full level

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H04W 56/00 (2013.01 - EP US); H04L 7/10 (2013.01 - EP US); H04W 52/0229 (2013.01 - EP US); Y02D 30/70 (2020.08 - EP US)

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