

Title (en)

METHOD FOR MODULATING A CARRIER SIGNAL, AND METHOD FOR DEMODULATING A MODULATED CARRIER SIGNAL

Title (de)

VERFAHREN ZUR MODULATION EINES TRÄGERSIGNALS SOWIE VERFAHREN ZUR DEMODULATION EINES MODULIERTEN TRÄGERSIGNALS

Title (fr)

PROCEDE DE MODULATION D'UN SIGNAL PORTEUR ET PROCEDE DE DEMODULATION D'UN SIGNAL PORTEUR MODULE

Publication

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Application

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Abstract (en)

[origin: WO2004098041A1] The invention relates to a novel method for modulating a carrier signal used for transmitting analog or digital message signals. The module k of elliptic functions is used as a modulation parameter instead of the amplitude or the frequency as in conventional amplitude and angle modulation methods. The carrier signal modulated according to the novel modulation method is thus provided with a constant amplitude and a fixed frequency while the signal form is chronologically modified at the rhythm of the message that is to be transmitted.

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Citation (search report)

See references of WO 2004098041A1

Citation (examination)

DATABASE INSPEC [online] THE INSTITUTION OF ELECTRICAL ENGINEERS, STEVENAGE, GB; 2003, SHIMAMOTO S: "Proposals of new modulation schemes employing elliptical circle", Database accession no. 7823291 & WCNC 2003 - IEEE WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE 16-20 MARCH 2003 NEW ORLEANS, LA, USA, vol. 1, 2003, WCNC 2003. 2003 IEEE WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE RECORD (CAT. NO.03TH8659) IEEE PISCATAWAY, NJ, USA, pages 223 - 226, ISBN: 0-7803-7700-1

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