

Title (en)

SYSTEM AND METHOD FOR HIGH SPEED DATA TRANSMISSION

Title (de)

SYSTEM UND VERFAHREN ZUR SCHNELLEN DATENÜBERTRAGUNG

Title (fr)

SYSTEME ET PROCEDE POUR LA TRANSMISSION DE DONNEES A GRANDE VITESSE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0108397A1] A transmission device and method are capable of high speed transmission over existing telephone lines using acoustic tones. Data can be transmitted over existing telephone lines (20) by converting the data to a pair, triplet or other grouping of acoustic tones and transmitting the composite signal. The data, such as an ASCII character (22), is first converted to an eight bit binary number (24). The binary number is then used to select two tones, a high frequency tone (28) and a low frequency tone (26). These tones (26, 28) are mixed to form the composite signal (30) that is transmitted (32) over the telephone lines (20). The tones (26, 28) may be configured to have differing amplitudes or be separated by chirp tones, and are mixed to form a composite signal that is transmitted over the telephone lines (20). The received composite signal (30) can then be broken down into its constituent tones and decoded to generate the transmitted data (22) at the receiving device.

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