Title (en)

SYSTEM FOR THE TRANSMISSION OF DATA BY MEANS OF MULTIPLE TRANSMISSION CHANNELS WITH A PROTECTIVE BAND BETWEEN EACH CHANNEL

Title (de)

SYSTEM ZUR ÜBERTRAGUNG VON DATEN UNTER VERWENDUNG EINER VIELZAHL ÜBERTRAGUNGSKANÄLE MIT EINEM SCHUTZBAND ZWISCHEN JEDEM KANAL

Title (fr)

SYSTEME POUR TRANSMETTRE DES DONNEES AU MOYEN D'UNE PLURALITE DE CANAUX DE TRANSMISSION COMPORTANT UNE BANDE DE PROTECTION ENTRE CHAQUE CANAL

Publication

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Application

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Priority

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- AT 2482000 A 20000218

Abstract (en)

[origin: WO0161910A1] The invention relates to a system for the transmission of data, by means of a number (N) of transmission channels, formed by discrete carrier frequencies, on a line (10) between a central site (1) and a number of users (2, 3,..., 8, 9), connected to the line at various branch points, with a transmit and receiver unit (11), arranged at the central site (1) and transmit and receiver units (18, 19) associated with each user (2, 3,..., 8, 9). The transmission units each comprise a multiplex unit (50), to divide the data stream into data blocks, coding units (21, 22, 23, 24), an inverse fourier transformation filter bank (20), formed from several identical prototype filters (30, 31, 32, 33), decoder units (41, 42, 43, 44) and a demultiplexer unit (50). The processing of the data stream for transmission is carried out within the inverse fourier transformation filter bank and the fourier transformation filter bank, with a block length (M), whereby the block length (M) is larger than the number of transmission channels (N).

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CPC (source: EP US)

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Citation (search report)

See references of WO 0161910A1

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