

Title (en)

METHOD FOR TRANSMITTING DATA SECURELY IN THE SYNCHRONOUS DIGITAL HIERARCHY

Title (de)

VERFAHREN ZUR GESICHERTEN DATENÜBERTRAGUNG IN SYNCHRONEN ÜBERTRAGUNGSSYSTEMEN

Title (fr)

PROCEDE DE TRANSMISSION SURE DE DONNEES DANS DES SYSTEMES DE TRANSMISSION SYNCHRONES

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Application

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Abstract (en)

[origin: WO9849799A2] According to the invention, check bytes are inserted in the overhead in the 2nd, 3rd, 6th, 7th and 8th lines in an STM-4 pulse frame of the synchronous digital hierarchy. Said check bytes are allocated to 5 coding segments (BLOCK 1 to BLOCK 5). The BCH code used is able to correct two errors. This error correction means that that the residual error rate can be reduced substantially without the payload being restricted or the transmission rate being increased.

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