

Title (en)
INFORMATION TRANSMISSION WITH ENERGY BUDGET MANAGEMENT

Title (de)
INFORMATIONEN BERTRAGUNG MIT ENERGIE-BUDGET-MANAGEMENT

Title (fr)
TRANSMISSION D'INFORMATIONS AVEC GESTION DE BUDGET ENERGETIQUE

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Abstract (en)
[origin: WO2005011185A1] A receiver-specific regulation of transmission energy for a symbol for transmission, by adjustment of the symbol duration or by adjustment of the number of bits transmitted with the symbol, or a combination of both measures, each using a given transmission power, is disclosed. The result of the given measures for adjustment of transmission energy is an adjustment of the symbol duration per bit, hence of the ratio of the symbol duration to the number of bits contained therein. The adjustment is limited by the maintenance, in one of the alternative methods, of a value for the error recognition rate below an upper threshold for a corresponding receiver when using the given transmission power. Said transmission method can describe the marking of the limit of the power management method and also for energy management in the form of a bit duration management (BDM). The above provides a significant difference to conventional methodology, describing a completely new network organisation, defined as Energy Budget Management.

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