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A METHOD FOR ESTIMATING BASIS EXPANSION MODEL COEFFICIENTS OF AN OFDM TRANSMISSION CHANNEL

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Abstract of WO 2011106818 (A1)

The invention relates to a method of estimating BEM coefficients of the Channel taps of a transmission Channel of an OFDM System having a given pilot arrangement, comprising, at the receiver side of the transmission Channel, the Steps of a) subsampling a received OFDM symbol in the frequency domain into a set of subsequences, b) inverse Fourier transforming each subsequence into a transformed subsequence, and c) estimating Fourier coefficients of a truncated Fourier series expansion model of the Channel taps from the set of transformed subsequences.

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