

Title (en)

METHOD FOR THE ESTIMATION OF A TRANSMISSION FUNCTION BY MEANS OF AN ADAPTIVE ALGORITHM, AND METHOD FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUM SCHÄTZEN EINER ÜBERTRAGUNGSFUNKTION MITTELS EINES ADAPTIVEN ALGORITHMUS UND EINE VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE D'EVALUATION D'UNE FONCTION DE TRANSFERT AU MOYEN D'UN ALGORITHME ADAPTATIF ET DISPOSITIF POUR METTRE EN OEUVRE CE PROCEDE

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Application

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Abstract (en)

[origin: WO2007048692A1] An unknown transmission function (H) comprising an input signal (x) and an actual output signal (d) is estimated. According to the invention, an estimated output signal (y) is generated by means of an adaptive process (2) using the input signal (x), an error signal (e) is generated from the actual output signal (d) and the estimated output signal (y), and the adaptive process (2) is improved based on the error signal (2), the signal path conducting the error signal (e) being modified by means of a filter in accordance with at least one condition. The invention makes it possible to substantially optimize adaptive processes or algorithms. Also disclosed are an application of said method, a device, and a use of said device.

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