

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

Publication

**EP 1941489 A1 20080709 (DE)**

Application

**EP 06793981 A 20061005**

Priority

- EP 2006067107 W 20061005
- CH 17082005 A 20051025

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.

IPC 8 full level

**G10K 11/178** (2006.01)

CPC (source: EP US)

**G10K 11/17817** (2017.12 - EP US); **G10K 11/17825** (2017.12 - EP US); **G10K 11/17837** (2017.12 - EP US); **G10K 11/17854** (2017.12 - EP US); **G10K 11/17881** (2017.12 - EP US); **H04R 3/00** (2013.01 - EP US); **G10K 2210/30232** (2013.01 - EP)

Citation (search report)

See references of WO 2007048692A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007048692 A1 20070503**; EP 1941489 A1 20080709

DOCDB simple family (application)

**EP 2006067107 W 20061005**; EP 06793981 A 20061005