

Title (en)

ESTIMATION OF THE IMPULSE RESPONSE OF A SYSTEM ON THE BASIS OF BINARY OBSERVATIONS

Title (de)

SCHÄTZUNG DER IMPULSANTWORT EINES SYSTEMS AUF DER BASIS BINÄRER BEOBACHTUNGEN

Title (fr)

ESTIMATION DE LA RÉPONSE IMPULSIONNELLE D'UN SYSTÈME À PARTIR D'OBSERVATIONS BINAIRES

Publication

EP 2304510 A1 20110406 (FR)

Application

EP 08875639 A 20080711

Priority

FR 2008051312 W 20080711

Abstract (en)

[origin: WO2010004098A1] The invention relates to a method of identifying an electronic or electromechanical system comprising the steps consisting in applying at least one noise signal (u) as input to said system, applying an output signal of said system to a one-bit analogue digital converter, acquiring a signal at the output of said converter, carrying out an estimation of the output of said system with the aid of means for performing an estimation (h) of the impulse response of said system, the estimation (h) of said impulse response comprising the iterative calculation of a plurality of n_h elements (J_o , J_i , J_{nh-1}) of a given criterion (J) comprising respectively at least one term of correlation between said signal at the output of said converter and said noise signal.

IPC 8 full level

G05B 23/02 (2006.01)

CPC (source: EP US)

G05B 17/02 (2013.01 - EP US)

Citation (search report)

See references of WO 2010004098A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2010004098 A1 20100114; EP 2304510 A1 20110406; JP 2011527748 A 20111104; US 2011274184 A1 20111110; US 8705597 B2 20140422

DOCDB simple family (application)

FR 2008051312 W 20080711; EP 08875639 A 20080711; JP 2011517189 A 20080711; US 200813003389 A 20080711