

Title (en)

METHOD AND DEVICE FOR FILTERING A SIGNAL AND CONTROL DEVICE FOR A PROCESS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR FILTERUNG EINES SIGNALS UND REGELEINRICHTUNG FÜR EINEN PROZESS

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR FILTRER UN SIGNAL ET APPAREIL DE RÉGULATION POUR UN PROCÉDÉ

Publication

EP 2663903 A1 20131120 (DE)

Application

EP 12700385 A 20120110

Priority

- EP 11150659 A 20110111
- DE 102011003477 A 20110201
- EP 2012050285 W 20120110
- EP 12700385 A 20120110

Abstract (en)

[origin: WO2012095407A1] In a method according to the invention and a corresponding device for filtering a signal, a noisy input signal is continuously examined in order to determine whether said input signal is within or outside of a deadband. The deadband width and the zero point of the deadband are continuously adapted to the noise power of the input signal depending on the time behavior of the input signal and a predefined system time constant and at least one filtered output signal is continuously output, such as a deadband signal, which substantially corresponds to a smoothed input signal. The invention further relates to a control apparatus, which comprises signal filtering according to the invention.

IPC 8 full level

G05B 11/42 (2006.01); **G05B 13/02** (2006.01)

CPC (source: EP US)

G05B 11/42 (2013.01 - EP US); **G05B 13/021** (2013.01 - EP US); **H03H 17/0248** (2013.01 - US)

Citation (search report)

See references of WO 2012095407A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2012095407 A1 20120719; CN 103415818 A 20131127; CN 103415818 B 20171117; EP 2663903 A1 20131120; US 2013346460 A1 20131226

DOCDB simple family (application)

EP 2012050285 W 20120110; CN 201280012282 A 20120110; EP 12700385 A 20120110; US 201213979159 A 20120110