Title (en)

Robust evaluation of a temperature measurement signal by means of dynamic adjustment of a computational model

Title (de)

Robustes Auswerten eines Temperaturmesssignals mittels einer dynamischen Anpassung eines Rechenmodells

Title (fr)

Evaluation robuste d'un signal de mesure de température à l'aide d'une adaptation dynamique d'un modèle de calcul

Publication

EP 2091030 B1 20100106 (DE)

Application

EP 08101644 A 20080215

Priority

EP 08101644 A 20080215

Abstract (en)

[origin: EP2091030A1] The device (110) has a modeling unit (120) i.e. adaptive filter, including an input (121) for picking up an input signal (ntc-in) that is indicative of a temperature measurement signal, another input (122) for picking up a feedback signal (slope), and an output (123) for outputting an output signal (iir-model, pre-temp, virtual-temp). The output signal is generated depending on the input signal and the feedback signal by using a computational model that is stored in the modeling unit, where the feedback signal is directly and indirectly dependent on the output signal. Independent claims are also included for the following: (1) a method for evaluating a temperature measurement signal that is variable over time of a temperature measurement facility (2) a computer-readable storage medium having computer-executable instructions for evaluating a temperature measurement signal being variable over time of a temperature measurement facility (3) a program element for evaluating a temperature measurement signal being variable over time of a temperature measurement facility.

IPC 8 full level

G08B 17/06 (2006.01); **G08B 29/18** (2006.01)

CPC (source: EP US)

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