

Title (en)
DEVICE AND METHOD FOR REDUCING A SENSOR CONTAMINATION

Title (de)
VORRICHTUNG UND VERFAHREN ZUR VERRINGERUNG DER VERSCHMUTZUNG EINES SENSORS

Title (fr)
DISPOSITIF ET PROCEDE DESTINES A REDUIRE LA CONTAMINATION D'UN DETECTEUR

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Abstract (en)
[origin: WO2005093240A1] The invention relates to devices and methods for reducing a sensor contamination, wherein the inventive method consisting in deactivating a sensor or sensor element, preferably a hot film-air mass-cross-flow measuring device when a software function integrated into a control unit signals contamination or a possible impurities occurrence. Said deactivation is carried out by means of a high-side switch in a voltage supply or a low-side switch in an earth connection, wherein the impurity occurrence detection and the switch control are carried out by a control unit or by the internal evaluating unit of the sensor. After the sensor deactivation, a substitute signal is generated for substituting the missing output signal of the sensor.

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