

Title (en)  
SHEET RESISTOR IN AN EXHAUST PIPE

Title (de)  
ANEMOMETRISCHE MESSEINRICHTUNG MIT SCHICHTWIDERSTÄNDEN IM KRAFTZEUGABGASROHR

Title (fr)  
RÉSISTANCE À COUCHE CONTENUE DANS LE TUYAU D'ÉCHAPPEMENT

Publication  
**EP 2035786 A2 20090318 (DE)**

Application  
**EP 07785869 A 20070629**

Priority  
• EP 2007005769 W 20070629  
• DE 102006030786 A 20060630

Abstract (en)  
[origin: WO2008000494A2] Disclosed is a measuring instrument, particularly an anemometric measuring instrument of a flow sensor, comprising sheet resistors in one or several openings of a cover or a hollow member. The inventive sheet resistors are mounted in the opening/s. The resistance of two sheet resistors differs by one to three magnitudes. A temperature sensor and a heating capacity sensor are inserted into a support element of an inventive anemometric measuring instrument of a flow sensor. The temperature sensor is equipped with a temperature measuring resistor and a heating conductor as platinum thin-film or thick-film resistors on a ceramic support. In order to self-clean an anemometric measuring instrument of a flow sensor in which a temperature measuring element and a heating element are inserted into a support element, the temperature measuring element is provided with a platinum thin-film resistor on a ceramic support for measuring the temperature and is heated with the aid of an additional platinum thin-film resistor. In order to produce an anemometric measuring instrument of a flow sensor from sheet resistors and a cover or a hollow member, two sheet resistors that differ by one to two magnitudes are inserted into openings of the cover or the hollow member and are fastened in the openings.

IPC 8 full level  
**G01F 1/68** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
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