

Vaisala Limited

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Recent Publications by Vaisala Limited:



- [Dynamic laser speckle pattern in monitoring of local deformation of tablet surface after compression.](#)
A method and a sensor device were developed to detect dynamic laser... 6th July, 2000
Vaisala Laboratory, Department of Physics, University of Joensuu, PO Box- Int J Pharm. 2000 Apr 20;199(2):205-8.

Vaisala Limited Patents:



- 5434778- [Method and apparatus for measuring prevailing weather and meteorological visibility](#)
- 5625139- [Method of measuring concentration of nonpolar gases such as carbon dioxide by means of a polymer-based sensor and concentration sensor structure](#)
- 5631418- [Electrically detected impedance detector for the measurement of physical quantities, in particular of temperature or humidity, and process for the manufacture of said detectors](#)

- 5641911- [Method and apparatus for feedback-control of an asymmetric differential pressure transducer](#)
- 5644080- [Method of measuring dewpoint or gas concentration and apparatus for prediction of icing](#)
- 5644676- [Thermal radiant source with filament encapsulated in protective film](#)
- 5646729- [Single-channel gas concentration measurement method and apparatus using a short-resonator Fabry-Perot interferometer](#)
- 5656781- [Capacitive pressure transducer structure with a sealed vacuum chamber formed by two bonded silicon wafers](#)
- 5679902- [Surface-micromachined symmetrical differential pressure sensor with electrodes patterned into multiple conducting areas](#)
- 5740601- [Method of manufacturing an impedance detector](#)
- 5750903- [Method of linearizing a flow velocity sensor, a linearized flow velocity measurement apparatus and system](#)
- 5619144- [Detector and method for observation of the presence of a liquid and/or of a change of phase in same](#)
- 5607564- [Method of producing a microporous, gas permeable electrode structure and a microporous, gas permeable electrode structure](#)
- 5483414- [Electrical impedance detector for measurement of physical quantities, in particular of temperature](#)
- 5485747- [Method of measurement of relative humidity, in particular in radiosondes, and humidity detectors that make use of the method](#)
- 5500569- [Electrically modulatable thermal radiant source and method for manufacturing the same](#)
- 5504577- [Method and apparatus for measuring meteorological visibility and scattering of light, said apparatus utilizing common optics for transmission and reception](#)
- 5511417- [Method and arrangement in measurement of humidity, in particular in radiosondes](#)
- 5511418- [Method for measurement of relative humidity, in particular in radiosondes, and humidity detectors that make use of the method](#)
- 5531128- [Capacitive transducer feedback-controlled by means of electrostatic force and method for controlling the profile of the transducing element in the transducer](#)
- 5557042- [Impedance detector, in particular for radiosonde operation, as well as a process for the manufacture of a detector](#)
- 5561523- [Electrically tunable fabry-perot interferometer produced by surface micromechanical techniques for use in optical material analysis](#)
- 5589689- [Infrared detector with Fabry-Perot interferometer](#)
- 5801647- [Method and apparatus for measuring road surface conditions](#)
- 5818586- [Miniaturized fabry-perot spectrometer for optical analysis](#)
- 5821898- [Codeless GPS positioning method and apparatus for such codeless positioning](#)
- 6868339- [Systems and methods for time corrected lightning detection](#)
- 6931935- [Surface-micromachined absolute pressure sensor and a method for manufacturing thereof](#)
- 6961662- [Systems and methods for spectral corrected lightning detection](#)
- 7036356- [Method and apparatus for defining water content of a liquid](#)
- 7122820- [Method for determining visibility, amount of precipitation and type of precipitation](#)
- 7187178- [Method for determining the voltage sensitivity of the distance between the mirrors of a fabry-perot interferometer](#)
- 7218279- [Method and apparatus for pointing the beam of a wind profiler](#)
- 7249502- [Precipitation/hail sensor and method for precipitation rate measurement](#)
- 7286935- [Method and device for hydrometeor detection](#)
- 7358862- [Radiosonde system, radiosonde system receiver and signal processing method in a radiosonde receiver](#)
- 6809528- [Method and apparatus for measuring water content](#)
- 6791311- [Lightning detection and data acquisition system](#)
- 5827438- [Electrically modulatable thermal radiant source with specific filament](#)
- 5835216- [Method of controlling a short-etalon fabry-perot interferometer used in an NDIR measurement apparatus](#)

- 5850354- [Calibration method for NDIR equipment and calibration apparatus](#)
- 5880836- [Apparatus and method for measuring visibility and present weather](#)
- 5954430- [Method and temperature sensor structure for elimination of radiation error](#)
- 5987963- [Method of improving the selectivity of a polymer-film gas sensor and a sensor structure for implementing the method](#)
- 6177673- [Optically black surface for producing the same](#)
- 6564633- [Measurement method and system for a humidity or gas concentration sensor](#)
- 6735525- [Systems and methods for spectral corrected lightning detection](#)
- 6788043- [Lightning detection and data acquisition system](#)
- 7405827- [Gas content measuring apparatus and method](#)

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