

Title (en)
PHOTOMETER WITH NON-DISPERSIVE INFRARED ABSORPTION SPECTROSCOPY (NDIR) FOR MEASURING SEVERAL CONSTITUENTS

Title (de)
NDIR-FOTOMETER ZUR MEHRKOMPONENTENMESSUNG

Title (fr)
PHOTOMETRE A SPECTROSCOPIE D'ABSORPTION NON DISPERSIVE DANS L'INFRAROUGE (NDIR) POUR LA MESURE DE PLUSIEURS CONSTITUANTS

Publication
EP 1005635 A2 20000607 (DE)

Application
EP 98951168 A 19980812

Priority

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Abstract (en)
[origin: US6452182B1] A photometer for measuring gas components. The photometer has an infrared radiator with radiator modulation, a measuring cell with a measurement and comparison chamber, and a detector which absorbs optopneumatically onto the gas component X, that is filled with gas component X. In order in the case of a photometer of this type to render it possible for a plurality of gas components to be measured with high accuracy and the smallest possible outlay in apparatus, at least one further detector is arranged downstream of the first detector. For the purpose of measuring the gas component Y the further detector is filled with its isotope Y*, and the first detector is optically transparent with regard to the further gas component Y* to be measured or the characteristic absorption bands thereof.

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G01N 21/00

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Citation (search report)
See references of WO 9909391A2

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