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A B T R A C T

A METHOD OF REMOTE OPTICAL DETECTION OF GAS

A method of detecting gas by remotely observing a three-dimensional zone (16), on the basis of the ratio of flux differences coming from points at different temperatures in the zone (16), passing through a cloud of gas (22), and seen by a camera (10) through a filter whose transmission band includes a specific absorption line of the gas to be detected and through a filter whose transmission band does not include said absorption line. The method also consisting in measuring the temperatures of the scene background in the observed zone (16) in order to correct the values of the above-mentioned ratio as a function of the difference between said temperatures and a predetermined mean temperature. The invention is applicable in particular to monitoring industrial sites.

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Translation of the title and the abstract as they were when originally filed by the Applicant. No account has been taken of any changes that may have been made subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.