

Title (en)

CHEMICAL ANALYSIS BY CONTROLLED SAMPLE MODULATION AND DETECTION CORRELATION.

Title (de)

CHEMISCHES ANALYSEVERFAHREN DURCH GEREGLTE MUSTERMODULIERUNG UND KORRELATION DES NACHWEISES.

Title (fr)

ANALYSE CHIMIQUE PAR MODULATION CONTROLEE DE L'ECHANTILLON ET CORRELATION DE LA DETECTION.

Publication

EP 0232382 A4 19880128 (EN)

Application

EP 86905092 A 19860806

Priority

US 76602285 A 19850815

Abstract (en)

[origin: WO8701204A1] A method and apparatus for chemical analysis of a continuous gas stream for components of the stream that are not usually separately detectable. The method involves modulating a characteristic of one or more of the components of the stream in a predetermined and controlled manner, then detecting a signal representative of the gas stream containing the component with the modulated characteristic, and then correlating the detected signal with the predetermined and controlled modulation of the characteristic of the component in the stream to produce a correlation response to identify the presence and to quantify the modulated component within the continuous stream. One or more components may be identified and quantified by the method. The method has particular use in identifying methanol and hydrocarbons in the exhaust gases of a vehicle operated on a fuel containing methanol and hydrocarbons.

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CPC (source: EP)

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Citation (search report)

- [A] US 4140005 A 19790220 - KITTELSON DAVID B
- [A] MEASUREMENT AND CONTROL, vol. 5, no. 9, September 1972, pages 351-353; G.C. MOSS et al.: "Correlation techniques applied to gas chromatography: a re-appraisal"
- See references of WO 8701204A1

Designated contracting state (EPC)

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