Title (en)

METHOD FOR CHARACTERIZING AN ANALYTE PRESENT IN A GAS SAMPLE CONTAINING AT LEAST ONE PARASITIC CHEMICAL SPECIES

Title (de)

VERFAHREN ZUR CHARAKTERISIERUNG EINES ANALYTEN IN EINER GASPROBE MIT MINDESTENS EINER PARASITISCHEN CHEMISCHEN SPEZIES

Title (fr)

PROCEDE DE CARACTERISATION D'UN ANALYTE PRESENT DANS UN ECHANTILLON GAZEUX CONTENANT AU MOINS UNE ESPECE CHIMIQUE PARASITE

Publication

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Application

EP 22709746 A 20220304

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Abstract (en)

[origin: WO2022189292A1] The invention relates to a method for characterizing an analyte A present in a gas sample using an electronic nose comprising M sensitive sites, a parasitic chemical species P being present in the gas sample, comprising: o a phase 100 of acquiring N first signatures, where N>1, of the gas samples containing the analyte A and the parasitic species P, the gas samples exhibiting deviations Δc p(n) which differ from one gas sample to the next; o a phase 200 of solving an optimization problem so as to obtain N corrected signatures, characterizing the analyte A present in the N gas samples, from the N first signatures, by optimizing two objective functions.

IPC 8 full level

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