

Title (en)

VOLATILE SIGNATURE DETECTOR AND ASSOCIATED METHODS

Title (de)

DETEKTOR FÜR FLÜCHTIGE SIGNATUREN UND DAMIT VERBUNDENE VERFAHREN

Title (fr)

DETECTEUR D'UNE SIGNATURE VOLATILE ET PROCEDES ASSOCIES

Publication

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Application

EP 02753737 A 20020327

Priority

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Abstract (en)

[origin: WO02077636A2] The invention relates to a detector (D) for detecting the volatile signature of one or more substances, e.g. alcohol and/or cannabis, on the breath (MG) of a consumer (P), using several sensors (CT1, CT2, CT3). Said sensors can comprise semiconductors or conductive polymers. The inventive detector is equipped with a filter (F) to remove nuisance substances, e.g. water vapour, which mask the signature. The detector is advantageously portable and can be used to perform a test to evaluate (E) the consumption of a substance by the driver of a motor vehicle in relation to a reference level (N). A network of formal neurones (RN) is used to generate a database (BD) that is used to calibrate the detector.

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