

Title (en)

METHOD AND DEVICE FOR DETECTING COMPOUNDS IN A GAS STREAM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM NACHWEIS VON VERBINDUNGEN IN EINEM GASSTROM

Title (fr)

PROCEDE ET DISPOSITIF DE DETECTION DE COMPOSES DANS UN COURANT GAZEUX

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Application

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Abstract (en)

[origin: WO0173816A1] The invention relates to a method and a device for detecting compounds in a gas stream, enabling a plurality of compounds in the analysis gas to be characterised almost simultaneously. The gas stream containing the compounds is guided into the ionisation chamber of a mass spectrometer and exposed to radiation with a UV laser pulse. The resulting ions are detected in the mass spectrometer. The gas stream is exposed to said radiation with said UV laser pulses at regular or irregular intervals by alternate exposure to a vacuum ultraviolet (VUV) laser pulse in the ionisation chamber, the resulting ions being detected in the mass spectrometer.

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