

Title (en)  
APPARATUS FOR IDENTIFYING SUBSTANCES

Title (de)  
VORRICHTUNG ZUR IDENTIFIKATION VON STOFFEN

Title (fr)  
DISPOSITIF D'IDENTIFICATION DE SUBSTANCES

Publication  
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Application  
**EP 17761795 A 20170801**

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Abstract (en)  
[origin: WO2018024300A1] The invention relates to an apparatus for identifying one or more substances in a material, in particular wherein the material is present in granulate form, comprising at least one light source (2), preferably in the form of a laser, for irradiating a sample (3) of the material with light of at least one wavelength, a detector (6) for detecting the light re-emitted and/or transmitted by the sample, and an analysis device for the spectroscopic analysis of the detected light, wherein the analysis device interacts with the detector and these are embodied in such a way for analysing the detected light by means of • a) UV/VIS spectroscopy and/or • b) fluorescence spectroscopy and/or • c) Raman spectroscopy and/or • d) absorption spectroscopy, and for creating a first identification result for at least one substance of the sample and, in the case of an ambiguous first identification result, creating a second identification result for the at least one substance on the basis of a • e) fluorescence light decay time analysis, "FLZA", wherein the at least one substance is at least partly identified on the basis of the first identification result or on the basis of the first identification result and second identification result.

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