Title (en)

DEVICE AND METHOD FOR ANALYZING CHEMICAL AND/OR BIOLOGICAL SAMPLES

Title (de)

VORRICHTUNG UND VERFAHREN ZUR UNTERSUCHUNG CHEMISCHER UND/ODER BIOLOGISCHER PROBEN

Title (fr)

SYSTEME ET PROCEDE POUR ANALYSER DES ECHANTILLONS CHIMIQUES ET/OU BIOLOGIQUES

Publication

EP 1504251 A1 20050209 (DE)

Application

EP 03752743 A 20030515

Priority

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- EP 0305107 W 20030515

Abstract (en)

[origin: WO03098200A1] Disclosed is a device for analyzing chemical and/or biological samples particularly in a suspension by means of luminescence spectroscopy, comprising a support (26) receiving the sample. Said sample is excited by means of an illumination unit (10) in order for the particles that are contained in the sample to luminesce. The linear illumination is represented in the sample (22) by means of an optical device (18) such that a substantially greater portion of the sample is excited than in spot-type illumination while the intensity is equally high in each illuminated spot. The inventive device also comprises a unit (30) detecting the radiation that is released along one line by the sample (22). Said detection unit (30) is connected to an evaluation unit (36) which statistically evaluates the radiation detected by the detection unit (30).

IPC 1-7

G01N 21/64; C12M 1/34; G02B 21/00

IPC 8 full level

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CPC (source: EP)

C12M 41/36 (2013.01); **G01N 21/645** (2013.01); **G01N 21/6452** (2013.01); **G02B 21/002** (2013.01); **G02B 21/082** (2013.01); G01N 2021/6417 (2013.01); G01N 2201/0631 (2013.01)

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