

Title (en)
ANALYTICAL EQUIPMENT FOR DETERMINING THE CHEMICAL STRUCTURE AND/OR COMPOSITION OF A PLURALITY OF SAMPLES AND SAMPLE HOLDER

Title (de)
ANALYSEGERÄT ZUR BESTIMMUNG DER CHEMISCHEN STRUKTUR UND/ODER ZUSAMMENSETZUNG EINER VIELZAHL VON PROBEN UND TRÄGER ZUR AUFNAHME DER PROBEN

Title (fr)
APPAREIL D'ANALYSE PERMETTANT DE DETERMINER LA STRUCTURE CHIMIQUE ET/OU LA COMPOSITION D'UNE PLURALITE D'ECHANTILLONS ET PORTE-ECHANTILLONS

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EP 02769951 A 20020916

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Abstract (en)
[origin: WO03025553A2] The invention relates to the manufacturing of effectively operating analytical equipment for serial examinations, for example, on a genetic material. The fluorescence or luminescence methods are preferred. In order to obtain a good signal-to-noise ratio, it is necessary to keep the excitation light away from the detector and to focus the emission light as much as possible onto said detector. According to the invention, a holder for the samples to be analyzed is provided with an optically active layer, said layer being reflective to the emission light and transparent to the excitation light. When, for example, the sample well of a sample holder is covered with such a layer, the emission light is reflected onto the well walls and bottom and focused on a detector. The excitation light passes through said layer, as far as it does not contribute to a molecular excitation, and is absorbed in said holder.

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