

Title (en)

ON LINE DETECTION OF A DESIRED SOLUTE IN AN EFFLUENT STREAM USING FLUORESCENCE SPECTROSCOPY

Title (de)

ON-LINE ERFASSUNG EINES BESTIMMTEN GELÖSTEN STOFFELS IN EINEM ABWASSERSTROM MITTELS
FLUORESZENZSPEKTROSKOPIE

Title (fr)

DETECTION EN CONTINU D'UN SOLUTE PARTICULIER DANS UN EFFLUENT, UTILISANT LA SPECTROSCOPIE PAR FLUORESCENCE

Publication

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Application

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Abstract (en)

[origin: WO9640398A1] A method and system (11) for analyzing an effluent sample (15) for a solute of interest by splitting the effluent sample (15) into a major sample (27) and a minor sample (29), the major and minor samples (27, 29) having the same relative compositions. Next, a fluorescent agent characterized by its affinity for the solute of interest and whose fluorescence intensity is greater when bound to the solute of interest is mixed into the minor sample (29). The fluorescence intensity emitted from the illuminated portion of the minor effluent sample (29) is then measured and graphically depicted as a function of time. The information can be used to characterize the major sample (27) once the major and minor samples (27, 29) have been correlated with one another.

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