Title (en)

METHOD AND DEVICE FOR THE DETERMINATION OF ANALYTE CONCENTRATIONS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG VON ANALYTKONZENTRATIONEN

Title (fr)

PROCEDE ET DISPOSITIF POUR DETERMINER LA CONCENTRATION D'ANALYTES

Publication

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Application

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Abstract (en)

[origin: WO0190718A1] The invention relates to a method for the determination of analyte concentrations in liquid and/or gaseous media, whereby several probes withdraw at least one analyte from several sampling regions (3), across a semi-permeable membrane (2), by time-controlled diffusion of the at least one analyte between the relevant medium and a diffusion medium, which is fed to the sampling regions (3) through fluid lines (5a, 5b), by means of at least one pump (6). The diffusion medium is removed from the sampling region, with concomitant introduction of new diffusion medium and led to at least one detector (7) and analysed by the same. Said pump (6) works continuously and the diffusion medium may be alternately pumped to the fluid line sections (5b), by means of a multiple valve arrangement or a multiway-valve (12), arranged in series with the sampling regions (3). The invention is characterised in that the detector (7) can be continuously fed with diffusion medium by means of the fluid line sections (5b) and the bypass line (20).

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