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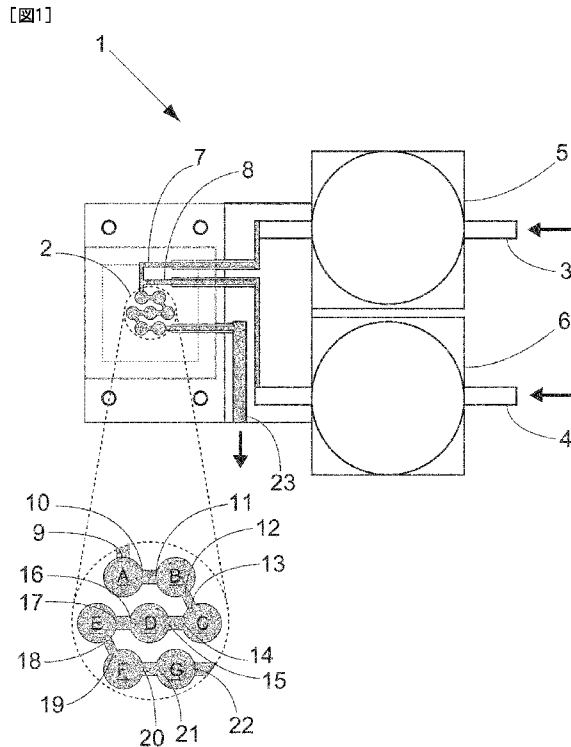
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(54) Title: SAMPLE SOLUTION CONCENTRATION DETERMINATION METHOD AND SAMPLE SOLUTION CONCENTRATION DETERMINATION DEVICE

(54) 発明の名称: 試料溶液濃度測定方法及び試料溶液濃度測定装置



(57) Abstract: Provided is a method for determining the concentration of a sample solution with which the concentration of a sample solution is quantitatively determined by measuring the chemiluminescent intensity generated inside a reactor (2), which is characterized in that the reactor (2) is an in-series connection of two or more reaction cells having spray holes and emission holes; the cross-sectional area ratio ($S1/S2$) of the cross-sectional area ($S1$) of each reaction cell and the cross-sectional area ($S2$) of each spray hole is 3 or greater; the sample solution and reactant solution are introduced from a spray hole (9) in a first reaction cell (A), turbulent flow is generated by the jet from the introduced solution and the sample solution and reactant solution are mixed; in the second and subsequent reaction cells, the resulting first mixture is similarly introduced, turbulent flow is generated by the jet, and further mixing occurs; and the chemiluminescent intensity generated inside reactor (2) is measured. A determination method is thereby provided with which the chemiluminescent intensity generated by mixing a sample solution and a reactant solution can be determined with good reproducibility and the concentration of the sample solution can be quantitatively determined with good precision.

(57) 要約:

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