

Title (en)
METHOD FOR TRANSFERRING MOLECULES FROM A CHEMICALLY REACTING FIRST FLOW INTO AN ADJACENT CHEMICALLY SECOND REACTING FLOW

Title (de)
VERFAHREN ZUM ÜBERFÜHREN VON MOLEKÜLEN AUS EINEM CHEMISCH REAGIERENDEN ERSTEN STROM IN EINEN BENACHBARTEN CHEMISCH REAGIERENDEN ZWEITEN STROM

Title (fr)
PROCEDE DE TRANSFERT DE MOLECULES PROVENANT D'UN PREMIER FLUX REAGISSANT CHIMIQUEMENT VERS UN DEUXIEME FLUX ADJACENT REAGISSANT CHIMIQUEMENT

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Abstract (en)
[origin: WO03099440A1] The invention relates to a method for transferring a molecule, molecule complex or microparticle located in a first flow into a second flow, which is flowing adjacent to the first flow and is in contact therewith at least in areas along an interface. The at least two laminar flows have different chemical compositions and, in particular, provoke reactions (e.g. catalysts, buffer solutions) that are incompatible with one another on the molecule, molecule complex or microparticle to be transferred. Due to the laminar flow, the chemical composition in both flows are preserved despite the existence of contact surfaces. In order to transfer the molecule, molecule complex or microparticle, an electric field is applied at least in the contact area of the interface of the at least two flows. This electric field is oriented essentially perpendicular to the direction of flow or to the directions of flow of the at least two flows.

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