

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

Publication
EP 1507591 A1 20050223 (DE)

Application
EP 03755135 A 20030526

Priority
• DE 10223138 A 20020524
• EP 0305500 W 20030526

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 is 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.

IPC 1-7
B01L 3/00; **B01J 19/00**; **B01D 61/42**

IPC 8 full level
B01D 57/02 (2006.01); **B01D 61/42** (2006.01); **B01J 19/00** (2006.01)

CPC (source: EP US)
B01D 57/02 (2013.01 - EP US); **B01J 19/0093** (2013.01 - EP); **B01J 2219/00783** (2013.01 - EP); **B01J 2219/00853** (2013.01 - EP); **B01J 2219/00905** (2013.01 - EP); **B01J 2219/0093** (2013.01 - EP); **B01L 2200/0636** (2013.01 - EP); **B01L 2200/0647** (2013.01 - EP); **B01L 2200/10** (2013.01 - EP); **B01L 2300/0861** (2013.01 - EP); **B01L 2400/0415** (2013.01 - EP)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 03099440 A1 20031204; AU 2003232825 A1 20031212; EP 1507591 A1 20050223

DOCDB simple family (application)
EP 0305500 W 20030526; AU 2003232825 A 20030526; EP 03755135 A 20030526