

Title (en)

METHOD AND SYSTEM FOR METHOD OPTIMISATION IN CHROMATOGRAPHY

Title (de)

VERFAHREN UND SYSTEM ZUR METHODENOPTIMIERUNG IN DER CHROMATOGRAPHIE

Title (fr)

PROCEDE ET SYSTEME D'OPTIMISATION DE PROCESSUS EN CHROMATOGRAPHIE

Publication

EP 1342080 A1 20030910 (DE)

Application

EP 01978338 A 20010905

Priority

- DE 10049079 A 20001002
- EP 0110219 W 20010905

Abstract (en)

[origin: WO0229401A1] The invention relates to a system for method optimisation in chromatography, in particular in HPLC (high-performance liquid chromatography), comprising an analytical column (separation column) and a precolumn designed for preparing samples, for example, for separating macromolecules from biological samples. The invention aims to provide a system, a method and a chromatography device that enable an automated and rapid HPLC analysis of a plurality of different analytes in various biological samples, such as e.g. haemolysed blood, plasma, serum, milk, fermentation broth and supernatants of cell culture, food and tissue homogenates. To achieve this, the system comprises: a device for entering data, for registering experimental data and/or chemical structural formulas of the analyte and/or the sample matrix, an arithmetic unit, which accesses a database, said arithmetic unit being provided for optimising at least one method parameter in accordance with the registered data and an output unit, which is provided for outputting the optimised method parameter(s), at least one optimised method parameter constituting a parameter of the precolumn.

IPC 1-7

G01N 30/86

IPC 8 full level

G01N 30/86 (2006.01)

CPC (source: EP)

G01N 30/86 (2013.01); **G01N 30/8658** (2013.01); **G01N 30/8662** (2013.01)

Citation (search report)

See references of WO 0229401A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0229401 A1 20020411; AU 1048502 A 20020415; DE 10049079 A1 20020418; EP 1342080 A1 20030910

DOCDB simple family (application)

EP 0110219 W 20010905; AU 1048502 A 20010905; DE 10049079 A 20001002; EP 01978338 A 20010905