Title (en)

MOLECULAR SPACER, PRODUCTION METHOD THEREOF AND USES OF SAME ON AN ANALYSIS CHIP WITH MOLECULES OR BIOMOLECULES

Title (de)

MOLEKULARER SPACER, VERFAHREN ZU DESSEN HERSTELLUNG UND DESSEN VERWENDUNG AUF EINEM ANALYSECHIP MIT MOLEKÜLEN BZW. BIOMOLEKÜLEN

Title (fr)

BRAS ESPACEUR MOLECULAIRE, PROCEDE DE FABRICATION, ET UTILISATIONS SUR UNE PUCE D ANALYSE A MOLECULES OU BIOMOLECULES

Publication

EP 1718657 A1 20061108 (FR)

Application

EP 05728104 A 20050222

Priority

• FR 2005050117 W 20050222
• FR 0450346 A 20040225

Abstract (en)

[origin: FR2866649A1] A molecular spacer arm for attaching (bio)molecules to analytical chips, is new. Molecular spacer arm of formula (I) for attaching (bio)molecules to analytical chips. [mo]-X_4-[X_3(R_3)] p-CH_2-N(Gp)-[X_2(R_2)] m-Z_2=Z_1-CH_2-[X_1(R_1)] n-X_0-[Sup] (I) X_0 and X_4 = C, O, N, S, Se, P, As or Si; X_1, X_2 and X_3 = as X_0 or also 2-20C (hetero)aryl; Z_1 and Z_2 = C-R, Si-R, C, N, P or As; R = 1-40C alkyl; R_1, R_2 and R_3 = hydrogen, or 2-20C alkyl or (hetero)aryl; Gp = protecting group for secondary amino or a molecule that participates in the functioning of the spacer arm; n, m and p = integer 1 or more, especially 1-40; Sup = hydrogen or a solid silanized support on which the spacer can be attached covalently; mo = hydrogen or molecular unit that is to be fixed covalently to the support, through the spacer An independent claim is also included for a method of covalent attachment of mo to a support through a spacer arm.

IPC 8 full level

C07H 3/02 (2006.01); **G01N 33/543** (2006.01)

CPC (source: EP US)

C07H 3/02 (2013.01 - EP US); **G01N 33/54353** (2013.01 - EP US); Y02P 20/55 (2015.11 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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