

Title (en)
METHOD AND DEVICE FOR MAKING A SUPPORT BEARING A PLURALITY OF DIFFERENT POLYNUCLEOTIDE AND/OR PEPTIDE SEQUENCES

Title (de)
VERFAHREN UND VORRICHTUNG ZUR SYNTHESE EINES TRÄGERS MIT EINER MEHRZAHL VON VERSCHIEDENEN POLYNUKLEOTID-UND/ODER PEPTIDSEQUENZEN

Title (fr)
PROCEDE ET DISPOSITIF DE FABRICATION D'UN SUPPORT PORTEUR D'UNE PLURALITE DE SEQUENCES POLYNUCLEOTIDIQUES ET/OU PEPTIDIQUES DIFFERENTES

Publication
EP 1339484 A1 20030903 (FR)

Application
EP 00964379 A 20000927

Priority
FR 0002671 W 20000927

Abstract (en)
[origin: WO0226373A1] The invention concerns the manufacture of electronic micro-sensors (chips) for analysing nucleotide and/or peptide sequences. The object is to fix at the surface of said chips a very large number of various probe sequences easily and economically. The method aims at making arrays of sequence probes on a support by anchoring and/or local chemical synthesis in the presence of volatile solvents. Said method is characterised in that it consists in using a support whereon is produced a grid of reaction wells made of light-cured (epoxy) resin; in placing the support in a reaction chamber which is saturated with vapours of the synthesis solvent (acetonitrile); in finally producing the anchorage and optionally the localised chemical synthesis in situ of the probe sequences in the wells using a localised supply of liquids/reagents in each well corresponding to a specific probe-sequence, and in supplying collectively the wells with common liquids/reagents and in ensuring that prior to each localised supply operation the liquid contained in each well is eliminated. The invention also concerns a device for implementing said method.

IPC 1-7
B01J 19/00; C12Q 1/68

IPC 8 full level
G01N 33/53 (2006.01); **B01J 4/02** (2006.01); **B01J 19/00** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/58** (2006.01); **G01N 37/00** (2006.01); **C40B 40/06** (2006.01); **C40B 40/10** (2006.01); **C40B 60/14** (2006.01)

CPC (source: EP)
B01J 19/0046 (2013.01); **B01J 2219/00283** (2013.01); **B01J 2219/00317** (2013.01); **B01J 2219/00373** (2013.01); **B01J 2219/00378** (2013.01); **B01J 2219/00389** (2013.01); **B01J 2219/00527** (2013.01); **B01J 2219/00529** (2013.01); **B01J 2219/00533** (2013.01); **B01J 2219/00585** (2013.01); **B01J 2219/0059** (2013.01); **B01J 2219/00596** (2013.01); **B01J 2219/00605** (2013.01); **B01J 2219/00612** (2013.01); **B01J 2219/00621** (2013.01); **B01J 2219/00626** (2013.01); **B01J 2219/00637** (2013.01); **B01J 2219/00659** (2013.01); **B01J 2219/0072** (2013.01); **B01J 2219/00722** (2013.01); **B01J 2219/00725** (2013.01); **C40B 40/06** (2013.01); **C40B 40/10** (2013.01); **C40B 60/14** (2013.01)

Citation (search report)
See references of WO 0226373A1

Designated contracting state (EPC)
AT BE CH DE FR GB LI

DOCDB simple family (publication)
WO 0226373 A1 20020404; AU 7532300 A 20020408; CA 2426655 A1 20020404; EP 1339484 A1 20030903; JP 2004532382 A 20041021

DOCDB simple family (application)
FR 0002671 W 20000927; AU 7532300 A 20000927; CA 2426655 A 20000927; EP 00964379 A 20000927; JP 2002530195 A 20000927