

Title (en)

METHOD FOR FIXING AND SEPARATING MOLECULES COMPRISING AT LEAST ONE NATURAL OR SYNTHETIC DNA FRAGMENT.

Title (de)

VERFAHREN ZUR FIXIERUNG UND TRENNUNG VON MOLEKÜLEN, DIE MINDESTENS EIN FRAGMENT VON NATÜRLICHER ODER SYNTHETISCHER DNS ENTHALTEN.

Title (fr)

PROCEDE DE FIXATION ET DE SEPARATION DE MOLECULES COMPORTANT AU MOINS UN FRAGMENT D'ADN NATUREL OU SYNTHETIQUE.

Publication

**EP 0333813 A1 19890927 (FR)**

Application

**EP 88908250 A 19880916**

Priority

- FR 8713010 A 19870917
- FR 8716338 A 19871125

Abstract (en)

[origin: WO8902436A1] The present invention relates to a method for fixing and separating molecules comprising at least one natural or synthetic DNA fragment from a liquid mixture containing said molecules, characterized in that: a) said liquid mixture is set in the presence of a substrate presenting a composition and a structure such that it provides with the DNA a non-covalent, reversible and selective binding; b) in that, after binding with DNA, the residual mixture is removed; c) the bound DNA is then eluted, after it has been subjected to one or a plurality of physical and/or chemical reactions in the presence of at least one solvent wherein the molecules comprising at least one DNA fragment and the substrate are substantially insoluble.

Abstract (fr)

La présente invention concerne un procédé de fixation et de séparation de molécules comportant au moins un fragment d'ADN naturel ou synthétique à partir d'un mélange liquide contenant lesdites molécules, caractérisé en ce que: a) ledit mélange liquide est mis en présence d'un substrat présentant une composition et une structure telle qu'il assure avec l'ADN une liaison non covalente, réversible et sélective; b) en ce que, après liaison de l'ADN, le mélange résiduel est éliminé; c) l'ADN lié est ensuite élué, après avoir été soumis à une ou plusieurs réactions physiques et/ou chimiques en présence d'au moins un solvant dans lequel les molécules comportant au moins un fragment d'ADN et le substrat sont pratiquement insolubles. Abstract The present invention relates to a method for fixing and separating molecules comprising at least one natural or synthetic DNA fragment from a liquid mixture containing said molecules, characterized in that: a) said liquid mixture is set in the presence of a substrate presenting a composition and a structure such that it provides with the DNA a non-covalent, reversible and selective binding; b) in that, after binding with DNA, the residual mixture is removed; c) the bound DNA is then eluted, after it has been subjected to one or a plurality of physical and/or chemical reactions in the presence of at least one solvent wherein the molecules comprising at least one DNA fragment and the substrate are substantially insoluble.

IPC 1-7

**C07H 1/08**

IPC 8 full level

**C12N 15/09** (2006.01); **C07H 1/08** (2006.01); **C07H 21/04** (2006.01); **C12N 15/10** (2006.01)

CPC (source: EP)

**C12N 15/1017** (2013.01)

Citation (search report)

See references of WO 8902436A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**WO 8902436 A1 19890323**; EP 0333813 A1 19890927; JP H02501353 A 19900517

DOCDB simple family (application)

**FR 8800461 W 19880916**; EP 88908250 A 19880916; JP 50786188 A 19880916