

Title (en)

METHOD FOR CARRYING OUT THE PARALLEL SEQUENCING OF A NUCLEIC ACID MIXTURE ON A SURFACE

Title (de)

VERFAHREN ZUR PARALLELEN SEQUENZIERUNG EINES NUKLEINSÄUREGEMISCHES AN EINER OBERFLÄCHE

Title (fr)

PROCEDE DE SEQUEN AGE PARALLELE D'UN MELANGE D'ACIDES NUCLEIQUES SUR UNE SURFACE

Publication

EP 1244782 A2 20021002 (DE)

Application

EP 00990813 A 20001222

Priority

- DE 19962893 A 19991223
- DE 10051564 A 20001018
- EP 0013157 W 20001222

Abstract (en)

[origin: WO0148184A2] The invention relates to a method for carrying out the parallel sequencing of at least two different nucleic acids contained in a nucleic acid mixture, whereby: (a) a surface is prepared which comprises islands of nucleic acids of the same type of tertiary nucleic acids; (b) opposite strands of the tertiary nucleic acids GTN are prepared; (c) the GTN are lengthened by one nucleotide, whereby the nucleotide, on the 2'-OH position or on the 3'-OH position, carries a protective group, which prevents an additional lengthening, and the nucleotide carries a molecular group, which enables the identification of the nucleotide; (d) the incorporated nucleotide is identified; (e) the protective group is removed and said molecular group of the incorporated nucleotide is removed or modified, and; (f) step (c) and the following steps are repeated until the desired sequence information has been obtained.

IPC 1-7

C12N 15/00

IPC 8 full level

C12Q 1/68 (2006.01)

CPC (source: EP US)

C12Q 1/6874 (2013.01 - EP US)

C-Set (source: EP US)

1. **C12Q 1/6874** + **C12Q 2565/543** + **C12Q 2525/191** + **C12Q 2521/313**
2. **C12Q 1/6874** + **C12Q 2525/301**
3. **C12Q 1/6874** + **C12Q 2565/543**

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 0148184 A2 20010705; WO 0148184 A3 20020516; AU 3015801 A 20010709; EP 1244782 A2 20021002; US 2003186256 A1 20031002

DOCDB simple family (application)

EP 0013157 W 20001222; AU 3015801 A 20001222; EP 00990813 A 20001222; US 16855702 A 20020821