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(54) Title: DNA SEQUENCE ANALYSIS

(57) Abstract: The present invention concerns a method for determining the identity of one or more single nucleotide polymorphisms (SNP) in a genome, comprising: (i) fragmenting a sample genome; (ii) contacting the fragments with an excess of a plurality of different oligonucleotide primers under conditions that permit a primer to form a duplex with a complementary region on a fragment, each primer having a predetermined sequence complementary to a sequence on the genome that is proximal to a putative SNP site, and the resulting duplexes being immobilised on a solid support; (iii) carrying out the sequencing reaction(s) and detecting the incorporation of bases onto the oligonucleotide primers to extend the primers to at least the SNP site; and (iv) comparing the resulting sequences to those of the reference one or more SNPs.



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INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 02/03750

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, MEDLINE, EMBASE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 57248 A (SOLEXA LTD) 9 August 2001 (2001-08-09) page 3 -page 5 page 7 -page 8 claims 1-12	1-15
X	US 5 919 626 A (SHI JUFANG ET AL) 6 July 1999 (1999-07-06) column 1 column 5 column 7 -column 11	1-15
A	US 5 610 287 A (KNAPP MICHAEL R ET AL) 11 March 1997 (1997-03-11) the whole document	1-15
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 89 11548 A (CETUS CORP) 30 November 1989 (1989-11-30) the whole document -----	1-15

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