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(54) Title: 3'-PHOSPHATE-LABELED NUCLEOTIDE ANALOGS AND THEIR USE FOR SEQUENCING A NUCLEIC ACID

(57) Abstract: The invention provides nucleotide analogs for use in sequencing nucleic acid molecules.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. C12Q1/68 C07H19/10 C07H19/20 C07H19/207

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)

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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)

EPO-Internal, WPI Data, BIOSIS, CHEM ABS Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2005/040425 A (ISIS INNOVATION [GB]; SHCHEPINOV MIKHAIL S [GB]; MIR KALIM [GB]) 6 May 2005 (2005-05-06) page 18, line 20 - page 19, line 7; claims 16,54; figures 3,5	1-18
Y	US 6 287 821 B1 (SHI JUFANG [US] ET AL) 11 September 2001 (2001-09-11) column 8, line 10 - column 9, line 45; claims; figure 1	1-18



Further documents are listed in the continuation of Box C.



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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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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	<p>LU ET AL: "A diversity oriented synthesis of 3'-O-modified nucleoside triphosphates for DNA 'sequencing by synthesis'" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 16, no. 15, 6 June 2006 (2006-06-06), pages 3902-3905, XP005508741 ISSN: 0960-894X the whole document page 3903, left-hand column, paragraphs FIRST,SECOND</p>	1-18
A	<p>METZKER M L: "EMERGING TECHNOLOGIES IN DNA SEQUENCING" GENOME RESEARCH, COLD SPRING HARBOR LABORATORY PRESS, WOODBURY, NY, US, vol. 15, no. 12, December 2005 (2005-12), pages 1767-1776, XP002379405 ISSN: 1088-9051 Pages 1772-1773; Part CRT (Cyclic reversible termination) figure 4</p>	1-18
A	<p>US 5 302 509 A (CHEESEMAN PETER C [US]) 12 April 1994 (1994-04-12) abstract; figure 2</p>	1-18
P,A	<p>JU JINGYUE ET AL: "Four-color DNA sequencing by synthesis using cleavable fluorescent nucleotide reversible terminators" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE, WASHINGTON, DC, US, vol. 103, no. 52, 2006, pages 19635-19640, XP002461564 ISSN: 0027-8424 abstract page 19635, right-hand column, paragraph SECOND</p>	1-18

INTERNATIONAL SEARCH REPORT

Information on patent family members

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