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— *of inventorship (Rule 4.17(iv))*

Published:

— *with international search report*

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[Continued on next page]

(54) **Title:** METHODS OF DETECTING METHYLATED DNA AT A SPECIFIC LOCUS

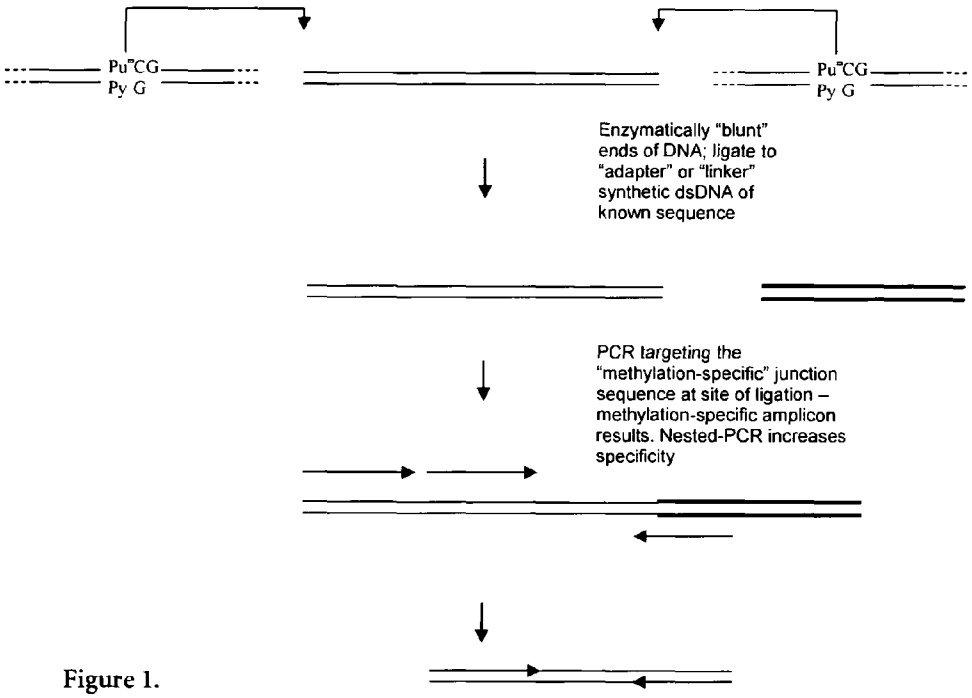


Figure 1.

(57) **Abstract:** The present invention relates to the identification of methylated nucleotides in samples of genomic DNA. The present invention also relates to methods of diagnosis of specific conditions by identification of specific methylated nucleotides.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. 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)
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)
EPO-Internal, BIOSIS, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/202490 A1 (MAKAROV VLADIMIR L [US] ET AL) 15 September 2005 (2005-09-15) figure 47; examples 9,10,26 abstract page 27, column 2, paragraph 2	1-4,6-9, 11-15
X	WO 2005/078121 A (CT FOR ADDICTION AND MENTAL HE [CA]; PETRONIS ARTURAS [CA]; SCHUMACHER) 25 August 2005 (2005-08-25) claims 1-22 abstract figures 1-9	11-15

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
20 February 2009	09/03/2009

Name and mailing address of the ISA/	Authorized officer
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INTERNATIONAL SEARCH REPORT

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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A	YAMADA YOICHI ET AL: "A comprehensive analysis of allelic methylation status of CpG islands on human chromosome 21q" GENOME RESEARCH, COLD SPRING HARBOR LABORATORY PRESS, WOODBURY, NY, US, vol. 14, no. 2, 1 February 2004 (2004-02-01), pages 247-266, XP002454979 ISSN: 1088-9051 page 265, column 1, paragraph 5 - paragraph 6; figure 1 page 248, column 1, paragraph 2 - column 2, paragraph 5 abstract	1-15
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A	OCHMAN H ET AL: "Genetic applications of an inverse polymerase chain reaction" GENETICS, GENETICS SOCIETY OF AMERICA, AUSTIN, TX, US, vol. 120, no. 3, 1 November 1988 (1988-11-01), pages 621-623, XP002091438 ISSN: 0016-6731	14,15

INTERNATIONAL SEARCH REPORT

Information on patent family members

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