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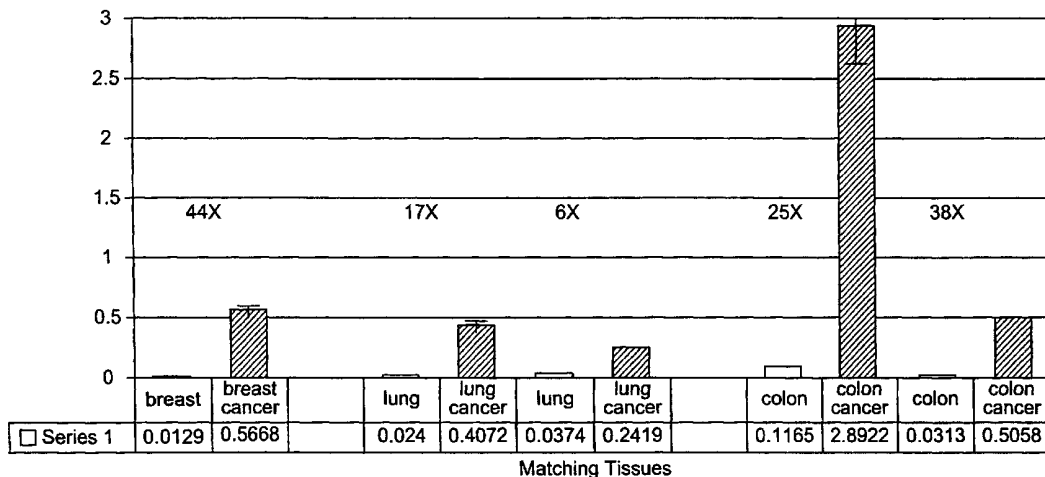
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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: CELL PROLIFERATION DIAGNOSIS AND SCREENING FOR MODULATORS



(57) Abstract: Described herein are methods that can be used for diagnosis and prognosis of cellular proliferation. Also described herein are methods that can be used to screen candidate bioactive agents for the ability to modulate cellular proliferation. Additionally, methods and molecular targets (genes and their products) for therapeutic intervention in cancers are described.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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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 G01N A61K C12N C07K

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	KAISER ASTRID ET AL: "All-trans-retinoic acid-mediated growth inhibition involves inhibition of human kinesin-related protein HsEg5." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 274, no. 27, 2 July 1999 (1999-07-02), pages 18925-18931, XP002166152 ISSN: 0021-9258 cited in the application abstract	22-42, 59
Y	page 18928 -page 18930 --- -/--	1-21, 34, 35

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *8* document member of the same patent family

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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.
Y	WO 99 34806 A (HOPMANN CORDULA ;BLACKBURN CHRISTINE L (US); FAULKNER DAVID JOHN () 15 July 1999 (1999-07-15) page 19, line 11; claims 62-78; examples 2,3 ---	1-21
Y	WO 95 18857 A (UNIV ILLINOIS) 13 July 1995 (1995-07-13) claims 10,11 ---	14,15, 17,34,35
E	WO 01 07602 A (AVENTIS PHARMA GMBH) 1 February 2001 (2001-02-01) page 19, line 1 -page 21, line 9; claim 1; example 2 ---	42
E	WO 00 63353 A (BERAUD CHRISTOPHE ;OHASHI CARA (US); YU MING (US); CYTOKINETICS (U) 26 October 2000 (2000-10-26) page 33, line 20 - line 22; claims 7,13,14 ---	1-21, 36-41
P,X	MAYER THOMAS U ET AL: "Small molecule inhibitor of mitotic spindle bipolarity identified in a phenotype-based screen." SCIENCE (WASHINGTON D C), vol. 286, no. 5441, 29 October 1999 (1999-10-29), pages 971-974, XP002166153 ISSN: 0036-8075 abstract page 974, column 1 ---	1-21
P,A	HOPKINS SETH C ET AL: "Inhibitors of kinesin activity from structure-based computer screening." BIOCHEMISTRY, vol. 39, no. 10, 14 March 2000 (2000-03-14), pages 2805-2814, XP002166154 ISSN: 0006-2960 figure 3 -----	1-21

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 43-58

Present claims 43-58 relate to the use of compounds defined solely by a desirable property i.e. their ability to inhibit the kinesin KSP.

No technical features of the compounds, i.e. indications as to chemical structure, are present in the above-mentioned claims, the technical features formulated so as to permit the execution of a meaningful search. No means are present in the above-mentioned claims by which compounds known in the prior art, although identifiable by the screening methods described, could be distinguished from novel substances. No definition of the subject matter for which protection is sought is therefore derivable from these claims (Article 6 PCT) or the description (Article 5 PCT). Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define a compound by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible.

The applicant's attention is further drawn to the fact that claims 39-40, 49-54 and 57-58 relate to methods of treatment to be practised on the live human or animal body. Such claims are normally not completely searched by this ISA, the search being restricted to the alleged effects of the compounds / compositions claimed. In the present case, the inability of these claims to define matter for which protection is sought combined with their lack of clarity is such it was not considered in any case possible to make them the subject of a meaningful search.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

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