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(71) Applicant (for all designated States except US): VERTEX
PHARMACEUTICALS INCORPORATED [US/US];
130 Waverly Street, Cambridge, MA 02139-4242 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BRECHLEY,
Guy [GB/GB]; 12 Boucher Close, Grove Wantage, Ox-
fordshire OX12 ONE (GB). CHARRIER, Jean-Damien
[FR/GB]; 2 Easterfield, Grove, Wantage, Oxfordshire
OX12 7LL (GB). DURRANT, Steven [GB/GB]; 12
Wick Close, Abingdon, Oxfordshire OX14 2NQ (GB).
KNEGTEL, Ron [NL/GB]; 92 Andersey Way, Abing-
don, Oxfordshire OX14 5NW (GB). RAMAYA, Sharn
[GB/GB]; 31 Pine Ridge Road, Burghfield Common,
Berkshire-RG7 3NB (GB). SADIQ, Shazia [GB/GB]; 24
Three Corners Road, Oxford OX4 7UE (GB).

(74) Agent: O'BRIEN, Jonathan, P.; Miller, Canfield, Pad-
dock and Stone, 444 West Michigan Avenue, Kalamazoo,
MI 49007 (US).

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IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR,
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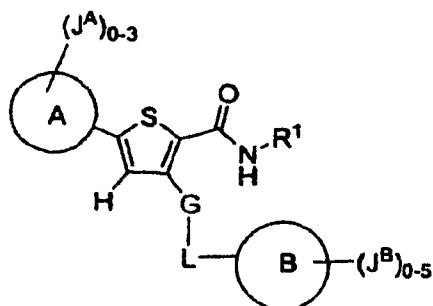
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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: THIOPHENE-CARBOXAMIDES USEFUL AS INHIBITORS OF PROTEIN KINASES



(I)

(57) Abstract: The present invention relates to
compounds of Formula I useful as inhibitors of protein
kinase. The invention also provides pharmaceutically
acceptable compositions comprising said compounds and
methods of using the compositions in the treatment of
various disease, conditions, or disorders. The invention
also provides processes for preparing compounds of the
inventions.

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/009018

A. CLASSIFICATION OF SUBJECT MATTER

INV. C07D409/04 A61K31/4178 A61P35/00

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)

C07D

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2005/095386 A (CHIRON CORP [US]; LIN XIAODONG [US]; RICO ALICE [US]; WANG XIAOJING MI) 13 October 2005 (2005-10-13) example 163 in page 161	1, 3, 9, 12, 14, 15, 17, 19, 22-25
A	WO 2004/014899 A (SMITHKLINE BEECHAM CORP [US]; ANDREWS III CLARENCE W [US]; CHEUNG MUI) 19 February 2004 (2004-02-19) claim 1	1-37
A	WO 03/037886 A (PHARMACIA CORP [US]; GRANETO MATTHEW [US]; HANAU CATHLEEN E [US]; PERR) 8 May 2003 (2003-05-08) examples 12 and 13, page 47	1
	-/--	

 Further documents are listed in the continuation of Box C. See patent family 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
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- *O* document referring to an oral disclosure, use, exhibition or other means
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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- *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
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

SAHAGUN KRAUSE, H

INTERNATIONAL SEARCH REPORT

International application No
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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.
P,X	WO 2006/066172 A (AMGEN INC [US]; SMITH ADRIAN LEONARD [US]; BRENNAN PAUL EDWARD [US]; D) 22 June 2006 (2006-06-22) claim 1 and 15-20 -----	1-37

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/009018

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 18-26 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/009018

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