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(72) Inventors; and

(75) Inventors/Applicants (for US only): **CONLEY, Pamela B.** [US/US]; 116 Lois Lane, Palo Alto, California 94303 (US). **ANDRE, Patrick** [FR/US]; 950 N. Humboldt Street, San Mateo, California 94401 (US). **SINHA, Uma** [US/US]; 808 Junipero Serra Boulevard, San Francisco, California 94127 (US).

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(74) Agent: **TANNER, Lorna L.**; FOLEY & LARDNER LLP, 975 Page Mill Road, Palo Alto, California 94304-1013, (US).

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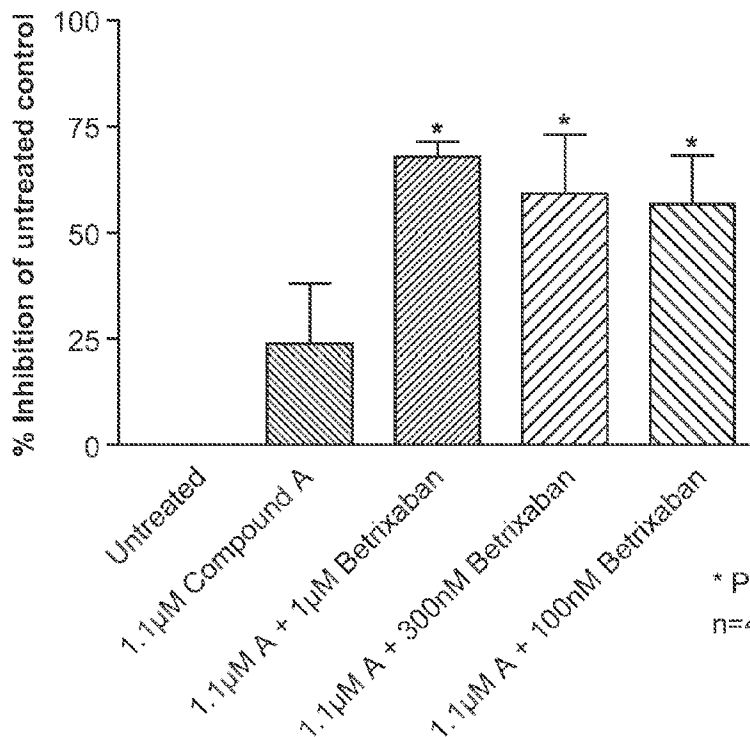
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(71) Applicant (for all designated States except US): **POR-TOLA PHARMACEUTICALS, INC.** [US/US]; 270 E. Grand Avenue, Suite 22, South San Francisco, California 84080 (US).

[Continued on next page]

(54) Title: COMBINATION THERAPY WITH A COMPOUND ACTING AS A PLATELET ADP RECEPTOR INHIBITOR



* P < 0.01
n=4

(57) Abstract: The present invention is directed to pharmaceutical compositions and methods of using combination therapies containing [4 (6-fluoro-7-methylamino-2,4-dioxo-1,4-dihydro-2H-quinazolin-3-yl)-phenyl]-5-chloro-thiophen-2-yl-sulfonylurea, or a pharmaceutically acceptable salt thereof, for the treatment of thrombosis diseases.

FIG. 1

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A. CLASSIFICATION OF SUBJECT MATTER

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A61P7/02 A61P7/00 A61P9/00

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)
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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, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 2007/056219 A (PORTOLA PHARM INC [US]; SCARBOROUGH CARROLL ANNA CREW [US]; HUANG WOLI) 18 May 2007 (2007-05-18) paragraphs [0002] - [0006], [0013] - [0016], [0069] - [0075], [0125], [0126], [0128] - [0132], [0134] claims 1-8,35,39-49,56-64	1-63
X	US 2002/077486 A1 (SCARBOROUGH ROBERT M [US] ET AL SCARBOROUGH ROBERT M [US] ET AL) 20 June 2002 (2002-06-20) paragraphs [0002], [0007], [0398], [0400], [0401], [0404], [0406] examples 237,240,253,254,271 claims 8-22	1-63

Further documents are listed in the continuation of Box C.

See patent family annex.

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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,
Fax: (+31-70) 340-3016

Authorized officer

Bazzanini, Rita

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Information on patent family members

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Patent document cited in search report	A	Publication date		Patent family member(s)	Publication date
WO 2007056219	A	18-05-2007		AR 056762 A1	24-10-2007
				AU 2006311795 A1	18-05-2007
				CA 2627719 A1	18-05-2007
				EP 1951254 A2	06-08-2008
				KR 20080071167 A	01-08-2008
				WO 2007056167 A2	18-05-2007
US 2002077486	A1	20-06-2002		US 2003162774 A1	28-08-2003
				US 2002025961 A1	28-02-2002
				US 2008194597 A1	14-08-2008