

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 56409-WO-PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IB2015/056986	International filing date (<i>day/month/year</i>) 11 September 2015 (11-09-2015)	(Earliest) Priority Date (<i>day/month/year</i>) 12 September 2014 (12-09-2014)
Applicant NOVARTIS AG		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☒

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

☒

the international application in the language in which it was filed

☐

a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐

This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6**bis**(a)).

c. ☐

With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐

Certain claims were found unsearchable (See Box No. II)

3. ☐

Unity of invention is lacking (see Box No III)

4. With regard to the **title**,

☐

the text is approved as submitted by the applicant

☒

the text has been established by this Authority to read as follows:

COMPOUNDS AND COMPOSITIONS AS RAF KINASE INHIBITORS

5. With regard to the **abstract**,

☒

the text is approved as submitted by the applicant

☐

the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐

as suggested by the applicant

☐

as selected by this Authority, because the applicant failed to suggest a figure

☐

as selected by this Authority, because this figure better characterizes the invention

b. ☐

none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2015/056986

A. CLASSIFICATION OF SUBJECT MATTER

INV. C07D403/12 C07D413/14 C07D213/74 C07D413/04 A61K31/5377
A61P35/00

ADD.

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 practicable, 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,P	US 2014/275003 A1 (AVERSA R; BARSANTI P A; BURGER M; DILLON M P; DIPESA A; HU C; LOU Y; N) 18 September 2014 (2014-09-18) Compound 58 excluded by the proviso at the end of claim 1; example 58 ----- -/--	1-11



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 application or patent 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

"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

"&" document member of the same patent family

Date of the actual completion of the international search

13 October 2015

Date of mailing of the international search report

23/10/2015

Name and mailing address of the ISA/

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Goss, Ilaria

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2015/056986

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LYNE P D ET AL: "Identification of amidoheteroaryls as potent inhibitors of mutant (V600E) B-Raf kinase with in vivo activity", BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, PERGAMON, AMSTERDAM, NL, vol. 19, no. 3, 1 February 2009 (2009-02-01), pages 1026-1029, XP025925876, ISSN: 0960-894X, DOI: 10.1016/J.BMCL.2008.10.053 [retrieved on 2008-10-15] the whole document	1-11
A	----- N. BABCHIA ET AL: "The PI3K/Akt and mTOR/P70S6K Signaling Pathways in Human Uveal Melanoma Cells: Interaction with B-Raf/ERK", INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE, vol. 51, no. 1, 1 January 2010 (2010-01-01), pages 421-429, XP055046622, ISSN: 0146-0404, DOI: 10.1167/iovs.09-3974 the whole document -----	1-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2015/056986

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2014275003 A1	18-09-2014	AU 2014233657 A1	27-08-2015
		CA 2899967 A1	25-09-2014
		TW 201443021 A	16-11-2014
		US 2014275003 A1	18-09-2014
		UY 35398 A	31-10-2014
		WO 2014151616 A1	25-09-2014
