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Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

8 April 2010

(54) Title: VON WILLEBRAND FACTOR SPECIFIC BINDERS AND METHODS OF USE THEREFOR

(57) Abstract: The invention provides new uses for specific binders to the A1 domain of the von Willebrand Factor (vWF), in particular the use in patients with stable angina undergoing elective percutaneous coronary intervention. Furthermore, dosing schedules and use of suitable assays such as RIPA and RICO in the particular disease settings are provided.



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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2009/053385

A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K31/727 A61K31/616 A61P7/02

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)

A61K A61P

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, EMBASE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006/122825 A2 (ABLYNX NV [BE]; SILENCE KAREN [BE]) 23 November 2006 (2006-11-23) sequences 90,98 page 1, lines 3,4 page 3, line 4 - page 4, line 13 page 21, line 24 page 22, line 18 page 28, line 29 - page 29, line 8 page 37, line 9 - line 11 page 121, line 17 page 122, lines 14,15 page 133 - page 135 page 140, line 14 - line 28 page 150, line 6 - line 15 page 169, line 20 - page 171, line 3 page 172, line 19 - line 21 page 173, line 26 - page 174, line 13 page 174, line 8 - line 13 claims 22,24,29,49-52,72-77 -/--	1-22

☒ 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

"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

10 February 2010

Date of mailing of the international search report

17/02/2010

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INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2009/053385

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	----- SILENCE KAREN ET AL: "ALX-0081 NANOBODY (TM), AN ENGINEERED BIVALENT ANTI-THROMBOTIC DRUG CANDIDATE WITH IMPROVED EFFICACY AND SAFETY AS COMPARED TO THE MARKETED DRUGS" BLOOD, AMERICAN SOCIETY OF HEMATOLOGY, US, vol. 108, no. 11, PT. 1, 1 November 2006 (2006-11-01), page 269A, XP009085105 ISSN: 0006-4971 the whole document -----	1-22

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2009/053385

Box No. 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:
2. ☒ Claims Nos.: 23
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:
see FURTHER INFORMATION sheet PCT/ISA/210
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 No. 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 fees, this Authority did not invite payment of additional fees.
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 and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 23

Claim 23 refers to "all novel compounds, processes, methods and uses substantially as hereinbefore described with particular reference to the Examples". Such a formulation of the subject-matter claimed contravenes the requirements of Rule 6(2)(a) and Rule 6(3)(a) as the matter for which protection is sought is not defined in terms of the technical features. Hence, no search can be done on claim 23.

The applicant's attention is drawn to the fact that 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. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.2), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2009/053385

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2006122825 A2	23-11-2006	AU 2006249090 A1	23-11-2006
		CA 2608873 A1	23-11-2006
		CN 101213214 A	02-07-2008
		EP 2007814 A2	31-12-2008
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		NZ 563392 A	24-12-2009
		US 2010022452 A1	28-01-2010
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