(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 December 2006 (28.12.2006)

PCT

(10) International Publication Number
WO 2006/136963 A3

(51) International Patent Classification:
A61K 38/48 (2006.01) *A61P 11/00* (2006.01)

(21) International Application Number:
PCT/IB2006/002631

(22) International Filing Date: 23 June 2006 (23.06.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/693,968 24 June 2005 (24.06.2005) US

(71) Applicant *(for all designated States except US)*: **DRUGRECURE ApS** [DK/DK]; Kongevejen 151-153, DK-2830 Virum (DK).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **UTTENTHAL, Lars Otto** [ES/ES]; Calle Maestro Avila, 3-3-C, E-37002 Salamanca (ES).

(74) Agent: **HOIBERG A/S**; St. Kongensgade 59A, DK-1264 Copenhagen K (DK).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
12 July 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2006/136963 A3

(54) Title: AIRWAY ADMINISTRATION OF SITE-INACTIVATED FVIIA IN INFLAMMATORY CONDITIONS AFFECTING THE RESPIRATORY TRACT

(57) Abstract: The present invention provides methods for the local treatment of acute and chronic extravascular pulmonary fibrin deposition and/or reducing unwanted effects associated with systemic administration of natural anticoagulants to a subject via airway administration to the subject by intratracheal, intrabronchial or intraalveolar routes of site-inactivated FVIIa or biologically active derivatives thereof .

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2006/002631

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K38/48 A61P11/00

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)
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, BIOSIS, WPI Data, PAJ, MEDLINE, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/087605 A (NOVO NORDISK AS [DK]; EZBAN MIRELLA [DK]) 7 November 2002 (2002-11-07) page 6, line 13 - page 9, line 29 page 15, paragraph 1	1-15
Y	PRUDHOMME J B ET AL: "Acute lung injury and acute respiratory distress syndrome: mechanisms and potential new therapies" DRUG DISCOVERY TODAY: DISEASE MECHANISMS, ELSEVIER, vol. 1, no. 1, October 2004 (2004-10), pages 123-128, XP004689271 ISSN: 1740-6765 page 125; table I	1-15

-/--

[X] Further documents are listed in the continuation of Box C.

[X] 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	Date of mailing of the international search report
23 March 2007	25/04/2007

Name and mailing address of the ISA/	Authorized officer
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	Markopoulos, Eytyxia

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2006/002631

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 497 877 B1 (STRINGER KATHLEEN A [US] ET AL) 24 December 2002 (2002-12-24) claims 1-7	1-15
P,X	WO 2006/026998 A1 (DKA CONSULT APS [DK]; HESLET LARS [DK]; UTTENTHAL LARS OTTO [ES]) 16 March 2006 (2006-03-16) page 2, line 29 - page 3, line 20 page 4, line 24 - page 6, line 32	1-15

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2006/002631

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

Although claims 1-15 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/IB2006/002631

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 02087605 A	07-11-2002	AU 2002338487 A1	11-11-2002
		CA 2445811 A1	07-11-2002
		CN 1522151 A	18-08-2004
		EP 1385535 A2	04-02-2004
		HU 0304050 A2	29-03-2004
		JP 2004527554 T	09-09-2004
		PL 366564 A1	07-02-2005
		US 2004033200 A1	19-02-2004
US 6497877 B1	24-12-2002	US 2003113271 A1	19-06-2003
WO 2006026998 A1	16-03-2006	NONE	