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Published:

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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.

(54) Title: REGIMENS FOR IMMUNISATION WITH MENINGOCOCCAL CONJUGATES

(57) Abstract: Multivalent meningococcal conjugate vaccines are administered according to a schedule in which a first dose is administered to a patient aged between 0 and 12 months, and a second dose is administered to the patient aged between 12 and 24 months.



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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/007115

A. CLASSIFICATION OF SUBJECT MATTER
 INV. A61K39/095 A61P31/04

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

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, EMBASE, 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	LEACH AMANDA ET AL: "Induction of immunologic memory in Gambian children by vaccination in infancy with a group A plus group C meningococcal polysaccharide-protein conjugate vaccine" JOURNAL OF INFECTIOUS DISEASES, vol. 175, no. 1, 1997, pages 200-204, XP008082381 ISSN: 0022-1899 the whole document	1-6,8,9, 13
X	US 2003/068336 A1 (RYALL ROBERT P [US]) 10 April 2003 (2003-04-10)	1-7,10, 13,14
Y	paragraphs [0020], [0029], [0085]; example 6	1-13
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☒ 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.
- *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/

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/007115

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 531 131 B1 (GU XIN-XING [US] ET AL) 11 March 2003 (2003-03-11)	1-5, 8-10,13, 14
Y	column 2, lines 33-54 column 3, lines 18-22 column 6, line 61 - column 7, line 3 column 7, line 58 - column 8, line 21	1-13
Y	WO 2005/000345 A (AVENTIS PASTEUR INC; RYALL ROBERT P [US]) 6 January 2005 (2005-01-06) claims 13-17	11,12
Y	BORROW RAY ET AL: "Immunogenicity of, and immunologic memory to, a reduced primary schedule of meningococcal C-tetanus toxoid conjugate vaccine in infants in the United Kingdom." INFECTION AND IMMUNITY, vol. 71, no. 10, October 2003 (2003-10), pages 5549-5555, XP002446851 ISSN: 0019-9567 the whole document	1-10,13

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/007115

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 1,2,6-14 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/US2007/007115

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003068336	A1	10-04-2003	NONE	
US 6531131	B1	11-03-2003	NONE	
WO 2005000345	A	06-01-2005	AU 2004251742 A1	06-01-2005
			BR PI0411875 A	08-08-2006
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			EP 1644036 A2	12-04-2006
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