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(71) Applicant *(for all designated States except US)*: **SANOFI PASTEUR, INC.** [US/US]; One Discovery Drive, Knerr Bldg., Swiftwater, PA 18370 (US).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **RYALL, Robert, P.**; 411 Main Street, Stroudsburg, PA 18360 (US).

(74) Agent: **BORDNER, Thomas, J.**; Sanofi Pasteur, Inc., One Discovery Drive, Knerr Bldg., Swiftwater, PA 18370 (US).

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(54) Title: MULTIVALENT MENINGOCOCCAL DERIVATIZED POLYSACCHARIDE-PROTEIN CONJUGATES AND VACCINE

(57) Abstract: The present invention describes derivatized polysaccharide-protein conjugates, a composition comprising one or more of such derivatized polysaccharide-protein conjugates and methods of immunizing human patients with the same. The derivatized polysaccharide-protein conjugates are purified capsular polysaccharides from *Neisseria meningitidis* serogroups A, C, W-135, and Y, derivatized chemically activated and selectively attached to a carrier protein by means of a covalent chemical bond, forming polysaccharide-protein conjugates capable of eliciting long-lasting immunity to a variety of N. *meningitidis* strains.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/31034

A. CLASSIFICATION OF SUBJECT MATTER
IPC: **A61K 39/385**(2006.01),**39/02**(2006.01),**39/095**(2006.01),**39/116**(2006.01);**C07H 1/00**(2006.01)

USPC: 424/197.11,234.1,250.1,203.1,831;536/123.1
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)
U.S. : 424/197.11, 234.1, 250.1, 203.1, 831; 536/123.1

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)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,146,902 A (McMASTER) 14 November 2000 (14.11.2000), especially Tables 1 & 2, Example 1; and columns 4-6.	1-20
Y	US 2003/0068336 A1 (RYALL R.P.) 10 April 2003 (10.04.2003), especially claims, Tables; and Examples.	1-20

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
09 March 2006 (09.03.2006)	05 MAY 2006
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Authorized officer Christina Lawrence for S. Devi, Ph.D. Telephone No. (571) 272-1600

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:
DIALOG, WEST, MEDLINE, EMBASE, BIOSIS
meningitidis, ?conjugat?, capsul?, polysacch?, (A, C, Y or W135), inventor's name