



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
03.12.2008 Bulletin 2008/49

(51) Int Cl.:
C12Q 1/02 (2006.01) **C12Q 1/18 (2006.01)**
C12Q 1/48 (2006.01) **A61K 39/09 (2006.01)**

(43) Date of publication A2:
10.09.2008 Bulletin 2008/37

(21) Application number: **08011745.0**

(22) Date of filing: **16.03.2001**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR**

(71) Applicant: **The Children's Hospital of Philadelphia
Philadelphia, PA 19104-4318 (US)**

(30) Priority: **16.03.2000 US 189847 P**

(72) Inventor: **Weiser, Jeffrey, N.
Merion, PA 19066 (US)**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
01918754.1 / 1 268 844

(74) Representative: **Cripps, Joanna Elizabeth et al
Mewburn Ellis LLP
York House
23 Kingsway
London WC2B 6HP (GB)**

(54) **Method of assessing the usefulness of a test compound for alleviating a pneumococcal infection in an animal**

(57) The invention relates to a method of assessing whether a test compound is useful for alleviating a pneumococcal infection in an animal. This method comprises comparing (a) the degree of phosphorylation of CpsD in

pneumococcal cells maintained in the presence of the test compound and (b) the degree of phosphorylation of CpsD in the same type of cells maintained in the absence of the test compound.

Fig. 1Ai

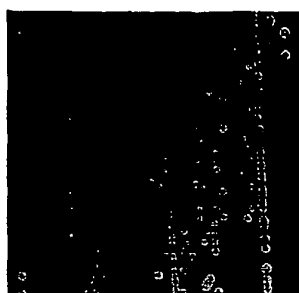


Fig. 1Ai1

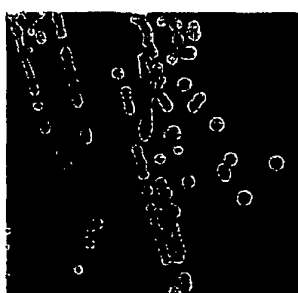


Fig. 1Ai1i



Fig 1Aiv

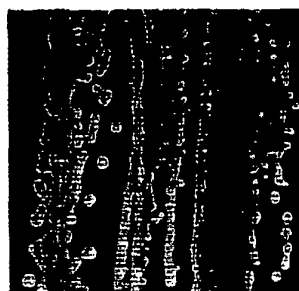


Fig. 1Av

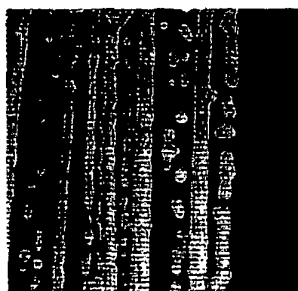


Fig. 1Avi

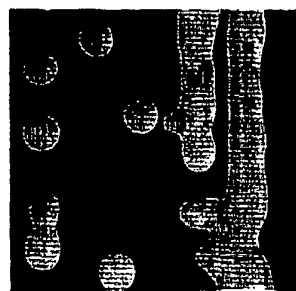


Fig. 1Bi



Fig. 1Bii



Fig. 1Biii

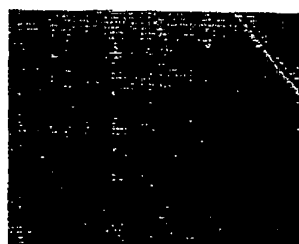


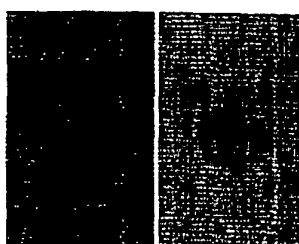
Fig. 1Biv



Fig 1Bv



Fig. 1Bvi





EUROPEAN SEARCH REPORT

 Application Number
EP 08 01 1745

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
P,X	MORONA J K ET AL: "Tyrosine phosphorylation of CpsD negatively regulates capsular polysaccharide biosynthesis in Streptococcus pneumoniae" MOLECULAR MICROBIOLOGY, BLACKWELL SCIENTIFIC, OXFORD, vol. 35, no. 6, March 2000 (2000-03), pages 1431-1442, XP002365281 ISSN: 0950-382X * the whole document *	1-3	INV. C12Q1/02 C12Q1/18 C12Q1/48 A61K39/09
A	LLAN O ET AL: "PROTEIN TYROSINE KINASES IN BACTERIAL PATHOGENS ARE ASSOCIATED WITH VIRULENCE AND PRODUCTION OF EXOPOLYSACCHARIDE" EMBO JOURNAL, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 18, no. 12, 1 January 1999 (1999-01-01), pages 3241-3248, XP000892150 ISSN: 0261-4189 * abstract *	1-3	TECHNICAL FIELDS SEARCHED (IPC)
A	EP 0 622 081 A (UAB RESEARCH FOUNDATION [US]) 2 November 1994 (1994-11-02) * pages 2-4 *	1-3	C12Q C12N
T	WEISER J N ET AL: "Changes in availability of oxygen accentuate differences in capsular polysaccharide expression by phenotypic variants and clinical isolates of Streptococcus pneumoniae" INFECTION AND IMMUNITY, AMERICAN SOCIETY FOR MICROBIOLOGY, WASHINGTON, vol. 69, no. 9, 1 September 2001 (2001-09-01), pages 5430-5439, XP002365277 ISSN: 0019-9567	1-3	
The present search report has been drawn up for all claims			
Place of search Berlin		Date of completion of the search 22 October 2008	Examiner Schröder, Gunnar
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

 8
EPO FORM 1503 03.02 (P04001)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 01 1745

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

22-10-2008

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0622081	A	02-11-1994	AU 682018 B2 18-09-1997
			AU 5769694 A 27-10-1994
			CA 2116261 A1 21-10-1994
			FI 941695 A 21-10-1994
			IL 109044 A 31-08-2000
			JP 3245298 B2 07-01-2002
			JP 7126291 A 16-05-1995
			JP 2002167399 A 11-06-2002
			NO 941420 A 21-10-1994
			ZA 9401584 A 12-10-1994
