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(21) International Application Number: PCT/EP99/07765 (22) International Filing Date: 8 October 1999 (08.10.99) (30) Priority Data: 9822714.3 16 October 1998 (16.10.98) GB (71) Applicant (for all designated States except US): SMITHK-LINE BEECHAM BIOLOGICALS S.A. [BE/BE]; Rue de l'Institut 89, B-1330 Rixensart (BE). (72) Inventor; and (75) Inventor/Applicant (for US only): D'HONDT, Erik [BE/BE]; SmithKline Beecham Biologicals S.A., Rue de l'Institut 89, B-1330 Rixensart (BE). (74) Agent: PRIVETT, Kathryn, Louise; SmithKline Beecham, Corporate Intellectual Property, Two New Horizons Court, Brentford, Middlesex TW8 9EP (GB).	(81) Designated States: CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> (88) Date of publication of the international search report: 27 July 2000 (27.07.00)	
(54) Title: HEPATITIS A VACCINES		
(57) Abstract		
<p>A process for the production of inactivated Hepatitis A virus substantially free of host cell contamination is described, the process comprising: a) culturing Hepatitis A virus and harvesting a hepatitis A preparation; b) treating said hepatitis A preparation with a protease; and thereafter c) separating intact virus from protease-digested material; d) inactivating said virus. Also described are vaccines comprising the inactivated hepatitis A virus, preferably in combination with strong adjuvants.</p>		

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INTERNATIONAL SEARCH REPORT

International Application No PCT/EP 99/07765
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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C12N7/00 A61K39/29 A61K39/295 A61P31/12

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)
 IPC 7 A61K C12N

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	BISHOP NAOMI E ET AL: "Rapid and efficient purification of hepatitis A virus from cell culture." JOURNAL OF VIROLOGICAL METHODS 1994, vol. 47, no. 1-2, 1994, pages 203-216, XP000891975 ISSN: 0166-0934	7-9
Y	the whole document	10-16

Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search <p style="text-align: center; font-size: 1.2em;">14 April 2000</p>	Date of mailing of the international search report <p style="text-align: center; font-size: 1.2em;">03/05/2000</p>
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Name and mailing address of the ISA 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	Authorized officer <p style="text-align: center; font-size: 1.2em;">Stein, A</p>
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