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# INTERNATIONAL SEARCH REPORT

International Application No  
PC 1/US 96/09655

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 6 C07K14/16 G01N33/68

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 6 C07K G01N

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**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 591 914 A (BEHRINGWERKE AG) 13 April 1994 cited in the application see claims; figures 3,4; example 8 ---	1-20
X	WO 90 07119 A (IMMUNODIAGNOSTICS INC) 28 June 1990 see claims; examples 13,15 ---	1,2,4,5, 7,8
E	EP 0 727 483 A (BEHRINGWERKE AG) 21 August 1996  see page 5, line 31 - line 33; claims; examples 3,4  ---  -/--	1,2,4,5, 7,8, 13-20

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

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**INTERNATIONAL SEARCH REPORT**

International Application No

PC, / US 96/09655

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>DE 44 05 810 A (BEHRINGWERKE AG) 24 August 1995</p> <p>see page 4, line 60 - page 5, line 64; claims; examples 1-3</p> <p style="text-align: center;">---</p>	<p>1,2,4,5, 7,8, 13-20</p>
A	<p>VIROLOGY, vol. 205, no. 1, 15 November 1994, ORLANDO US, pages 247-253, XP002020448 P. CHARNEAU ET AL.: "Isolation and Envelope Sequence of a Highly Divergent HIV-1 Isolate: Definition of a New HIV-1 Group" see page 251, right-hand column, paragraph 2 - page 253, left-hand column, paragraph 1; figures 3,4</p> <p style="text-align: center;">-----</p>	<p>1,13-20</p>

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 96/09655

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP-A-0591914	13-04-94	DE-A- 4233646	07-04-94
		DE-A- 4235718	28-04-94
		DE-A- 4244541	07-07-94
		DE-A- 4318186	05-01-95
		AU-A- 4880093	21-04-94
		CA-A- 2107732	07-04-94
		JP-A- 6225760	16-08-94
		ZA-A- 9307371	29-04-94
-----			
WO-A-9007119	28-06-90	AT-T- 135113	15-03-96
		AU-B- 641375	23-09-93
		AU-A- 4816690	10-07-90
		CA-A- 2005955	20-06-90
		DE-D- 68925909	11-04-96
		DE-T- 68925909	14-11-96
		EP-A- 0449955	09-10-91
		JP-T- 4502325	23-04-92
		US-A- 5260189	09-11-93
		-----	
EP-A-0727483	21-08-96	DE-A- 19505262	22-08-96
		AU-A- 4554596	22-08-96
		CA-A- 2169603	17-08-96
-----			
DE-A-4405810	24-08-95	AU-A- 1353295	07-09-95
		BR-A- 9500732	24-10-95
		CA-A- 2143163	24-08-95
		EP-A- 0673948	27-09-95
		JP-A- 7278189	24-10-95
		NO-A- 950668	24-08-95
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