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INTERNATIONAL SEARCH REPORT

International Application No PCT/US 90/07641

I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all) * According to International Patent Classification (IPC) or to both National Classification and IPC IPC ⁵ : C 12 N 15/10, C 12 Q 1/68				
II. FIELDS SEARCHED				
Classification System	Minimum Documentation Searched †			
IPC ⁵	C 12 N, C 12 Q			
Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched ‡				
III. DOCUMENTS CONSIDERED TO BE RELEVANT †				
Category *	Citation of Document, †† with indication, where appropriate, of the relevant passages †‡	Relevant to Claim No. †‡		
X	Nucleic Acids Research, vol. 17, no. 20, October 1989, IRL Press, (London, GB), M.D. Jones et al.: "Reverse transcription of mRNA by Thermus aquaticus DNA polymerase", pages 8387-8388 see the whole article	1-7, 17-19, 21, 22		
A	--	14, 15		
P, X	Gene, vol. 88, no. 2, April 1990, Elsevier Science Publishers B.V., (Amsterdam, NL), W.T. Tse et al.: "Reverse transcription and direct amplification of cellular RNA transcripts by Taq polymerase", pages 293-296 se the whole article	1-7, 9, 17-22		
P, A	--	14-16		
./.				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> * 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 </td> <td style="width: 50%; border: none; vertical-align: top;"> "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 "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 </td> </tr> </table>			* 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 "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
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IV. CERTIFICATION				
Date of the Actual Completion of the International Search		Date of Mailing of this International Search Report		
24th April 1991		26. 05. 91		
International Searching Authority		Signature of Authorized Officer		
EUROPEAN PATENT OFFICE		Natalie Weinberg		

III. DOCUMENTS CONSIDERED TO BE RELEVANT (CONTINUED FROM THE SECOND SHEET)		
Category *	Citation of Document, ** with indication, where appropriate, of the relevant passages	Relevant to Claim No.
P,X	Analytical Biochemistry, vol. 190, no. 2, 1 November 1990, Academic Press, Inc., A.L. Shaffer et al.: "Amplification, detection, and automated sequencing of gibbon interleukin-2 mRNA by Thermus aquaticus DNA polymerase reverse transcription and polymerase chain reaction", pages 292-296 see the whole article	1-6,9,17- 22
P,A	--	14-16
A	EP, A, 0258017 (CETUS CORP.) 2 March 1988 see claims -----	

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

US 9007641
SA 44625

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on 06/06/91. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP-A- 0258017	02-03-88	US-A- 4889818	26-12-89
		US-A- 4965188	23-10-90
		AU-A- 6391090	10-01-91
		AU-A- 7729887	19-05-88
		JP-A- 2000434	05-01-90
		JP-A- 63102677	07-05-88

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