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<p>(21) International Application Number: PCT/US93/03923 (22) International Filing Date: 26 April 1993 (26.04.93) (30) Priority data: 874,842 27 April 1992 (27.04.92) US (71) Applicant: RESEARCH CORPORATION TECHNOLOGIES, INC. [US/US]; 101 N. Wilmont Road, Suite 600, Tucson, AZ 85711-3335 (US). (72) Inventors: DELVECCHIO, Vito, G. ; 1935 N. Washington Avenue, Scranton, PA 18509 (US). BLOUSE, Louis, E., Jr. ; 206 Palo Grande, Sant Antonio, TX 78232 (US). McCLESKEY, Ferne, K. ; 14334 Brook Hollow, San Antonio, TX 78232 (US).</p>	<p>(74) Agent: SCOTT, Anthony, C.; Scully, Scott, Murphy & Presser, 400 Garden City Plaza, Garden City, NY 11530 (US). (81) Designated States: CA, JP, KR, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 09 December 1993 (09.12.93)</p>	
<p>(54) Title: OLIGONUCLEOTIDES AND NUCLEIC ACIDS FOR DETECTION OF UREAPLASMA UREALYTICUM</p>		
<p>(57) Abstract</p> <p>The present invention is directed to a rapid and sensitive method for detecting <i>Ureaplasma urealyticum</i> using <i>U. urealyticum</i>-specific probes and oligonucleotides. In particular a target sequence can be amplified by <i>in vitro</i> nucleic acid amplification techniques or directly detected by nucleic acid hybridization using the subject probes and oligonucleotides. <i>U. urealyticum</i>-specific nucleic acids which do not recognize or hybridize to genomic nucleic acid of <i>Mycoplasma</i> species are also provided.</p>		

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 93/03923

I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all) ⁶		
According to International Patent Classification (IPC) or to both National Classification and IPC		
Int.Cl. 5 C12Q1/68; C07H21/04; C12P19/34		
II. FIELDS SEARCHED		
Minimum Documentation Searched ⁷		
Classification System	Classification Symbols	
Int.Cl. 5	C12Q	
Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched ⁸		
III. DOCUMENTS CONSIDERED TO BE RELEVANT⁹		
Category ⁹	Citation of Document, ¹¹ with indication, where appropriate, of the relevant passages ¹²	Relevant to Claim No. ¹³
X	ISREAL JOURNAL OF MEDICAL SCIENCES vol. 26, no. 6, 26 August 1986, pages 618 - 620 ROBERTS, M.C. ET AL 'Dna probes for the detection of mycoplasmas in genital samples'	3, 4, 22-25, 28-34, 37-46, 49, 50
Y	see page 618 - page 619	1, 2, 5-27, 35, 36, 47, 48

X	ABST. GEN. MEET. AM. SOC. MICROBIOL-1991 vol. 81, 1991, US page 81 KRANIG-BROWN, D ET AL 'a non-isotopic DNA probe for the specific detection of ureaplasma'	3, 4, 22-25, 28-34, 37-46, 49, 50
Y	see paragraph D-16	1, 2, 5-27, 35, 36, 47, 48

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<p>⁹ Special categories of cited documents: ¹⁰</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"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)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"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</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step</p> <p>"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.</p> <p>"A" document member of the same patent family</p>		
IV. CERTIFICATION		
Date of the Actual Completion of the International Search		Date of Mailing of this International Search Report
07 OCTOBER 1993		25. 10. 93
International Searching Authority		Signature of Authorized Officer
EUROPEAN PATENT OFFICE		OSBORNE H.H.

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.
X	ABSTR. GEN MEET AM SOC MICROBIOL-91 vol. 91, 1991, US page 81 HAMMOND, P.W. ET AL 'biotype specific probes for ureaplasma urealyticum'	3,4, 22-25, 28-34, 37-46, 49,50
Y	see paragraph D-17	1,2, 5-27,35, 36,47,48
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Y	see page 5, column 7, line 31 - line 35; claims 1,8,19	1,2, 5-27,35, 36,47,48
A	--- EP,A,0 272 009 (HOGAN J.J. ET AL) 22 June 1988	
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**ANNEX TO THE INTERNATIONAL SEARCH REPORT
ON INTERNATIONAL PATENT APPLICATION NO.**

US 9303923
SA 73622

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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information. 07/10/93

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		AU-A- 1041988	16-06-88
		JP-T- 1503356	16-11-89
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