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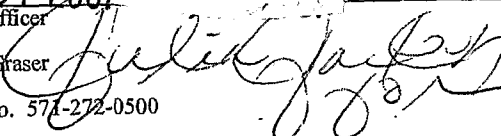
(54) **Title:** REAL-TIME HPV PCR ASSAYS

(57) **Abstract:** The present invention relates a fluorescent multiplex PCR assay for detecting the presence of an HPV type in a sample using multiple fluorophores to simultaneously detect a plurality of HPV genes of the same HPV type, wherein the HPV type is selected from the group consisting of: HPV33, HPV35, HPV39, HPV51, HPV56, and HPV59. The present invention also relates to oligonucleotide primers and probes specific to said HPV types for use in the methods of the present invention.

INTERNATIONAL SEARCH REPORT

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PCT/US06/15420

A. CLASSIFICATION OF SUBJECT MATTER IPC: C12Q 1/70(2006.01),1/68(2006.01);C12P 19/34(2006.01);C07H 21/04(2006.01) USPC: 435/5,6,91.2;536/23.7,24.33 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) U.S. : 435/5, 6, 91.2; 536/23.7, 24.33 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 practicable, search terms used) WEST, DIALOG, GENBANK		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	SWAN, D.C. et al. A Sensitive, Type-Specific, Fluorogenic Probe Assay for Detection of Human Pamillomavirus DNA. April 1997, Vol. 35, No. 4, pages 886-891, see entire document.	1-9
Y	US 6,268,143 B1 (Oberst) July 31, 2001 (31.07.2001), see entire document.	1-9
Y	US 6,261,771 B1 (Bohannon) 17 July 2001 (17.07.2001), see entire document.	1-9
Y	US 6,174,670 B1 (Wittwer et al) 16 January 2001 (16.01.2001), see entire document.	1-9
Y	US 5,571,673 (Picone) 5 November 1996 (05.11.1996), see entire document.	1-9
Y	RANSOM, H. Multiplexed, REal-time Q-PCR Enabled with Dark Quencher Series. Biosearch Technologies. Press Release. August 4, 2000, pages 1-3, see entire document.	1-9
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	BUCK et al. Design Strategies and Performance of Custom DNA Sequencing Primers. BioTechniques. September 1999, Vol. 27, pages 528-536, see entire document.	1-9