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(21) International Application Number: PCT/US91/00858 (22) International Filing Date: 7 February 1991 (07.02.91) (30) Priority data: 477,260 7 February 1990 (07.02.90) US (60) Parent Application or Grant (63) Related by Continuation US 477,260 (CIP) Filed on 7 February 1990 (07.02.90) (71) Applicant (for all designated States except US): CETUS CORPORATION [US/US]; 1400 Fifty-Third Street, Emeryville, CA 94608 (US).		(72) Inventors; and (75) Inventors/Applicants (for US only) : MCCORMICK, Francis, P. [GB/US]; 31 Florida Avenue, Berkeley, CA 94707 (US). LYONS, John, F. [IE/US]; 2961 Santos Lane, Apt. 302, Walnut Creek, CA 94596 (US). (74) Agent: SIAS, Stacey, R.; Cetus Corporation, 1400 Fifty-Third Street, Emeryville, CA 94608 (US). (81) Designated States: AT (European patent), AU, BE (European patent), CA, CH (European patent), DE (European patent), DK (European patent), ES (European patent), FR (European patent), GB (European patent), GR (European patent), IT (European patent), JP, LU (European patent), NL (European patent), SE (European patent), US. Published <i>With international search report.</i> <i>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: 31 October 1991 (31.10.91)
(54) Title: DETECTION OF POINT MUTATIONS IN GENES ENCODING GTP BINDING PROTEINS (57) Abstract The present invention provides a method for detecting whether a point mutation is present in a nucleic acid encoding a GTP binding protein or protein subunit. Methods are also provided for characterizing point mutations, if present. In a preferred embodiment, the method involves amplification of a nucleic acid segment followed by sequence-specific probe hybridization. The method is preferred for nucleic acids which encode a G-protein α subunit or p21 <i>ras</i> protein.		

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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.
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A	PROC. NATL. ACAD SCI. USA, vol. 85, April 1988, (Washington, US), T. KOZASA et al.: "Isolation and characterization of the human Gs alpha gene", pages 2081-2085, see the whole article (cited in the application) ---	1, 6-11, 14-18
A	US-A-4 871 838 (BOS et al.) 3 October 1989 -----	

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