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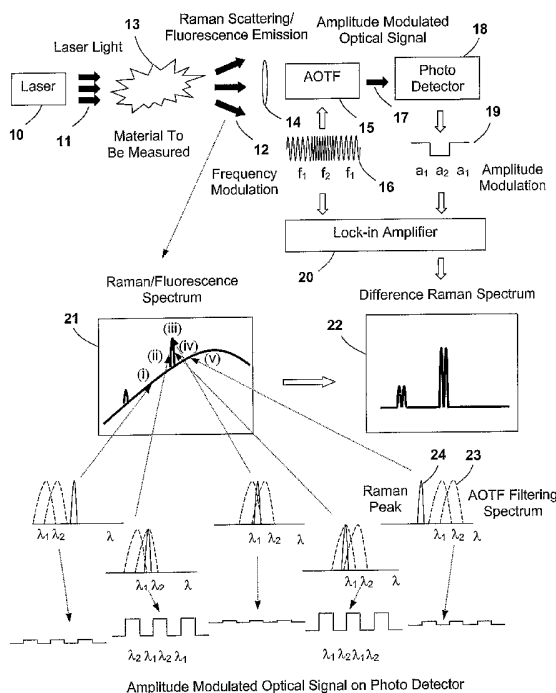
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS FOR FLUORESCENCE SUBTRACTED RAMAN SPECTROSCOPY



(57) Abstract: A fluorescence subtracted Raman spectroscopy apparatus uses a wavelength modulated tunable filter as the spectrometer. The wavelength modulation results in an amplitude modulation on the detected optical signal. By using a frequency selective detection technique, the Raman signal is amplified and extracted from the fluorescence background.

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**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US05/33165

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: G01J 3/44( 2006.01);G01N 21/65( 2006.01)  
  
 USPC: 356/301  
 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. : 356/301

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)  
 Please See Continuation Sheet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3,914,055 A (WOLGA et al.) 21 October 1975 (21.10.1975), see column 9, lines 25-47.	1-12

Further documents are listed in the continuation of Box C.  See patent family annex.

* Special categories of cited documents:	
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US05/33165

Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: Raman, fluoresce\$, modulat\$, tunable, filter