

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/18988

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **G01B 9/02 601B 1102**

 USPC: 356/502,492
 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. : 356/502,492

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 NONE

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 3,670,098 A (KORPEL) 13 June 1972 (13.06.1972), see entire document.	1-27
A	US 4,195,221 A (MORAN) 25 March 1980 (25.03.1980), see entire document.	1-27
A	US 6,486,959 B2 (DELAYE et al.) 26 November 2002 (26.11.2002), see entire document.	1-27
A	US 6,657,732 B2 (PEPPER et al.) 02 December 2003 (02.12.2003), see entire document.	1-27
A	US 6,844,936 B2 (DALHOFF) 18 January 2005 (18.01.2005), see entire document.	1-27

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

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"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
"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)	"&"	document member of the same patent family
"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		

Date of the actual completion of the international search: 01 May 2007 (01.05.2007)
 Date of mailing of the international search report: 15 MAY 2007

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Continuation of B. FIELDS SEARCHED Item 3:

USPGPUB, USPAT search notes: vibrate or vibrating or vibration or vibratory or acoustic or acoustically, image or imager or imaging, scatter or scatterer or scattering, local or locally, oscillate or oscillator or oscillating or oscillation, frequency, heterodyne or heterodyning, mix or mixing or mixer