

[Continued on next page]



Published:

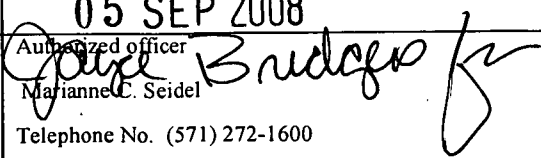
- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
6 November 2008

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/13093

A. CLASSIFICATION OF SUBJECT MATTER IPC: G01R 31/08(2006.01) USPC: 324/525 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. : 324/525 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) EAST		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,514,129 A (SMITH) 07 May 1996 (07.05.1996), entire document.	1, 2, 21, 22
---		-----
Y		3-20, 23-24
Y	US 2004/0108824 A1 (UEDA et al.) 10 June 2004 (10.06.2004), entire document.	3-10
Y	US 2004/0012498 A1 (PECK et al.) 22 January 2004 (22.01.2004), entire document.	11-20, 23, 24
Y	US 2004/0108824 A1 (UEDA et al.) 10 June 2004 (10.06.2004), entire document.	13-20
A	US 2004/0060026 A1 (STANLEY) 25 March 2004 (25.03.2004).	1-24
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:		
"A"	document defining the general state of the art which is not considered to be of particular relevance	"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
"E"	earlier application or patent published on or after the international filing date	"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
"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)	"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
"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	
Date of the actual completion of the international search 03 September 2008 (03.09.2008)		Date of mailing of the international search report 05 SEP 2008
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Authorized officer  Marianne C. Seidel Telephone No. (571) 272-1600