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(71) Applicant *(for all designated States except US)*: **CONESTOGA-ROVERS & ASSOCIATES** [US/US]; 2000 Opportunity Drive, Suite 110, Roseville, CA 95678 (US).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **HERZOG, David, Williams** [US/US]; 5900 Illinois Avenue, Orangevale, CA 95662 (US).

(74) Agent: **STEVENS, Lauren, L.**; Finnegan, Henderson, Farabow, Garrett & Dunner LLP, 901 New York Avenue, N.W., Washington, D.C 20001-4413 (US).

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(54) Title: PORTABLE DISCRETE GROUNDWATER SAMPLING SYSTEM

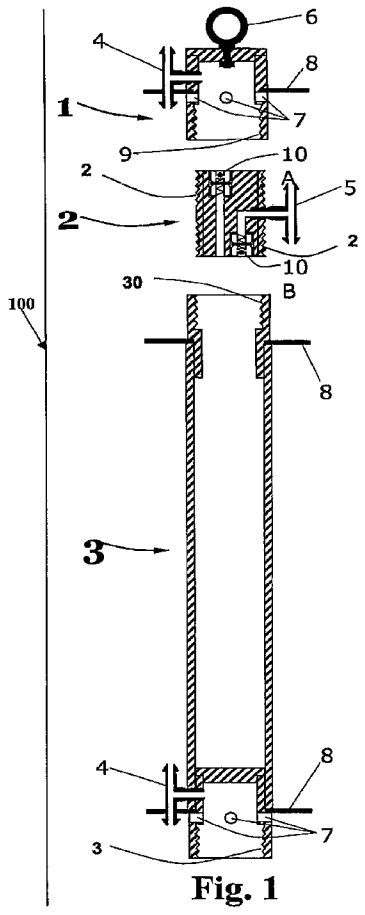


Fig. 1

(57) Abstract: Methods and systems are presented for discrete sampling of groundwater. The methods and systems presented are directed toward collecting groundwater samples at one or more locations below ground surface using one or more portable, vacuum-activated sampling devices including a collection chamber, one or more check valves, and a vacuum tube within a main body for activating the check valve to admit groundwater into the collection chamber. A groundwater inlet filter can be provided upstream of the check valve for some systems. A groundwater inlet chamber having a separate vacuum tube for purging the inlet chamber may be provided for other systems.

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USPC - 175/59
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)
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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)
PatBase, Google Patent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,701,107 A (DICKINSON et al) 20 October 1987 (20.10.1987) entire document	1-9, 11-16, 18-36, 38-39
Y		10, 17, 37
Y	US 5,979,569 A (HELLER) 09 November 1999 (09.11.1999) entire document	10,37
Y	US 5,996,423 A (BAGHEL et al) 07 December 1999 (07.12.1999) entire document	17

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