



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : G01N 1/20, 33/18, H01L 21/00	A1	(11) International Publication Number: WO 99/64838 (43) International Publication Date: 16 December 1999 (16.12.99)
(21) International Application Number: PCT/US99/12735 (22) International Filing Date: 4 June 1999 (04.06.99) (30) Priority Data: 09/093,520 8 June 1998 (08.06.98) US (71) Applicant: MEMC ELECTRONIC MATERIALS, INC. [US/US]; 501 Pearl Drive, P.O. Box 8, St. Peters, MO 63376 (US). (72) Inventors: RUTH, Kenneth, A.; 634 W. Booneslick Road, Warrenton, MO 63383 (US). SCHMIDT, Philip, R.; 532 Crown Passage Drive, St. Charles, MO 63303 (US). (74) Agents: HEJLEK, Edward, J. et al.; Senniger, Powers, Leavitt & Roedel, 16th floor, One Metropolitan Square, St. Louis, MO 63102 (US).		(81) Designated States: CN, JP, KR, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: COLLECTOR FOR AN AUTOMATED ON-LINE BATH ANALYSIS SYSTEM		
(57) Abstract A collector (1) and method for collecting samples of liquid from at least one source of liquid for automated analysis of the samples. The collector has at least one receptacle (3) for receiving liquid from the source of liquid and holding a quantity of the liquid for obtaining a sample. Each receptacle (3) has an inlet (17) for delivery of liquid from the respective source of liquid and an open top sized to admit the sample collection device into the receptacle. The collector also has a spillway (7) in fluid communication with the open top of the receptacle for receiving excess liquid spilling over the open top of the receptacle (3). The collector is constructed so that liquid continuously flows through the collector. A drain (11) of the collector receives liquid from the spillway for draining the liquid from the collector.		

