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(71) Applicants *(for all designated States except US)*: **ARIZONA BOARD OF REGENTS, acting for and on behalf of ARIZONA STATE UNIVERSITY** [US/US]; 1475 North Scottsdale Road, Sky Song - Suite 200, Scottsdale, AZ 85257-9908 (US). **MILLIPORE CORPORATION** [US/US]; 290 Concord Road, Billerica, Massachusetts 01821 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **DIMITRAKOPOULOS, Telis** [FR/FR]; Millipore Inc., B.p. 307, F-78054 St. Quentin, Yvelines Cedex (FR). **WANG, Joseph** [US/US]; 8526 E. Krail Street, Scottsdale, Arizona 85250 (US).

(74) Agent: **LEE, Hwa C.**; Fish & Richardson P.C., P.o. Box 1022, Minneapolis, Minnesota 55440-1022 (US).

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(54) **Title**: SIMULTANEOUS ELECTROCHEMICAL DETECTION OF MULTIPLE HEAVY METAL IONS IN LIQUID

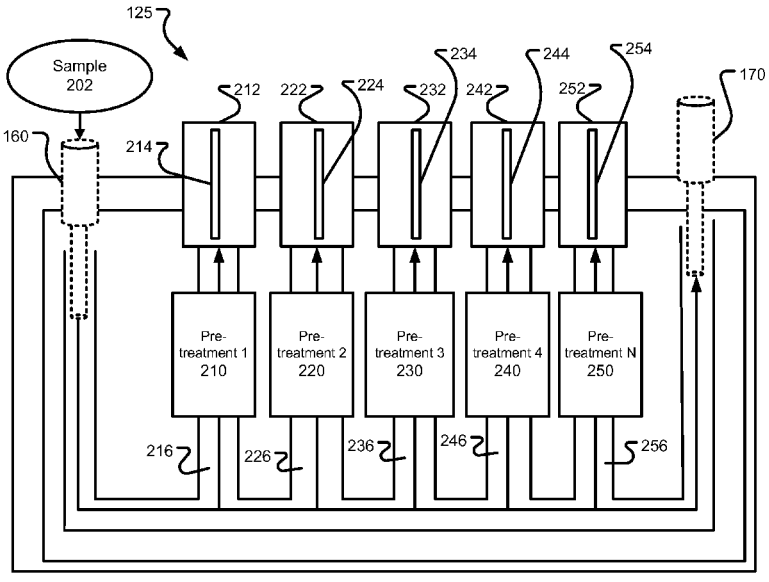


FIG. 2

(57) **Abstract**: Among others, techniques and systems are disclosed for detecting trace levels of heavy metal ions in a sample liquid. A voltage is applied to a sample liquid that includes metal complexes. A current signal associated with the metal complexes is measured. The measured current signal is processed to simultaneously detect a presence of two or more metal ions associated with the metal complexes.

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