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- (71) **Applicant: LIFE TECHNOLOGIES CORPORATION**
[US/US]; 5823 Newton Drive, Carlsbad, California 92008 (US).
- (72) **Inventors: LIM, Gary;** Life Technologies Corporation, 5823 Newton Drive, Carlsbad, California 92009 (US). **LIU,**

David; Life Technologies Corporation, 5823 Newton Drive, Carlsbad, California 92009 (US). **LI, Peng;** 425 Smith Place, Ridgewood, New Jersey 07450 (US). **CAO, Bin;** Life Technologies Corporation, 5823 Newton Drive, Carlsbad, California 92009 (US). **HIRANO, Kirk;** Life Technologies Corporation, 5823 Newton Drive, Carlsbad, California 92009 (US). **DUKHOVNY, Alexander;** 570 Mangels Ave., San Francisco, California 94127 (US). **DIXON, John;** P.O. Box 434, Moss Beach, California 94038 (US).

(74) **Agent: CHEN, Matthew;** 5823 Newton Drive, Carlsbad, California 92008 (US).

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(54) **Title: CAPILLARY ELECTROPHORESIS SYSTEMS, RELATED DEVICES, AND RELATED METHODS**

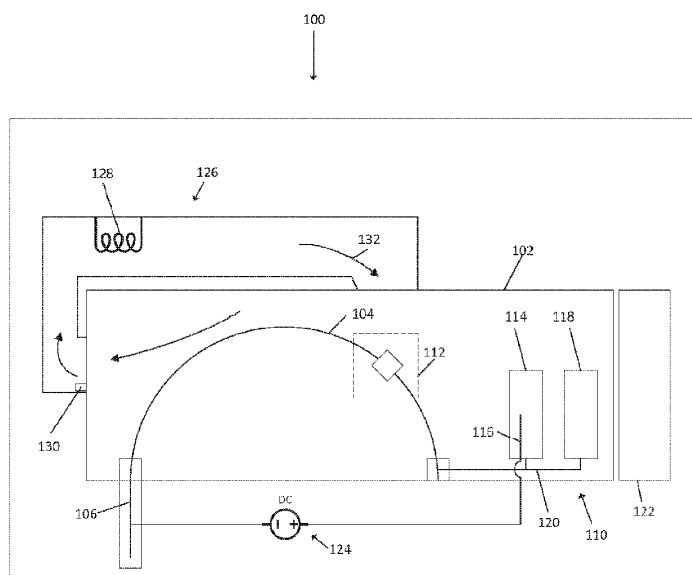


FIG. 1

(57) **Abstract:** A biological analysis device (100) for performing capillary electrophoresis includes a voltage section (124) configured to generate a voltage differential across a cathode (106) connector and an anode (116) connector, an optical detector system (112) configured to detect light emission from a sample, a temperature regulation section (126), and a cartridge holding portion configured to receive at least a portion of a removable cartridge (102) comprising one or more capillaries (104) and a separation medium container (118). The biological analysis device may include one or more actuators (122) configured to actuate components of the removable cartridge when the removable cartridge is received in the cartridge holding portion. Devices and methods relate to biological analysis.

[Continued on next page]

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