

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 March 2006 (30.03.2006)

PCT

(10) International Publication Number
WO 2006/034182 A1

(51) International Patent Classification:
G01N 30/96 (2006.01) **B01D 15/36** (2006.01)

City, California 94587 (US). **AVDALOVIC, Nebojsa** [US/US]; #1715, 20488 Stevens Creek Boulevard, Cupertino, California 95014 (US).

(21) International Application Number:
PCT/US2005/033459

(74) Agents: **BREZNER, David J.** et al.; DORSEY & WHITNEY LLP, Suite 1000, 555 California Street, San Francisco, CA 94104 (US).

(22) International Filing Date:
15 September 2005 (15.09.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/944,442 16 September 2004 (16.09.2004) US

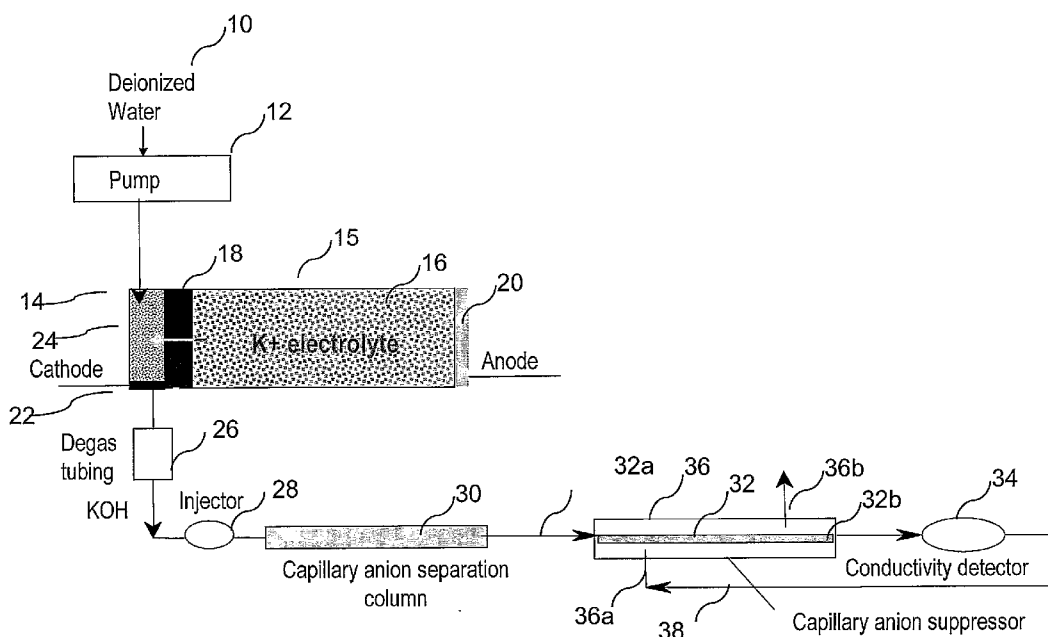
(71) Applicant (for all designated States except US): **DIONEX CORPORATION** [US/US]; 1228 Titan Way, Sunnyvale, California 94088 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: CAPILLARY ION CHROMATOGRAPHY



(57) Abstract: An apparatus for capillary ion chromatography comprising a suppressor comprising flow-through ion exchange packing in a housing and capillary tubing (32) formed of a permselective ion exchange membrane, and at least partially disposed in said ion exchange packing. Also, a recycle conduit (38) for aqueous liquid from the detector (34) to the packing. Further, the capillary tubing may have weakly acidic or weakly basic functional groups. Also, a method for using the apparatus.

WO 2006/034182 A1

**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*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.