



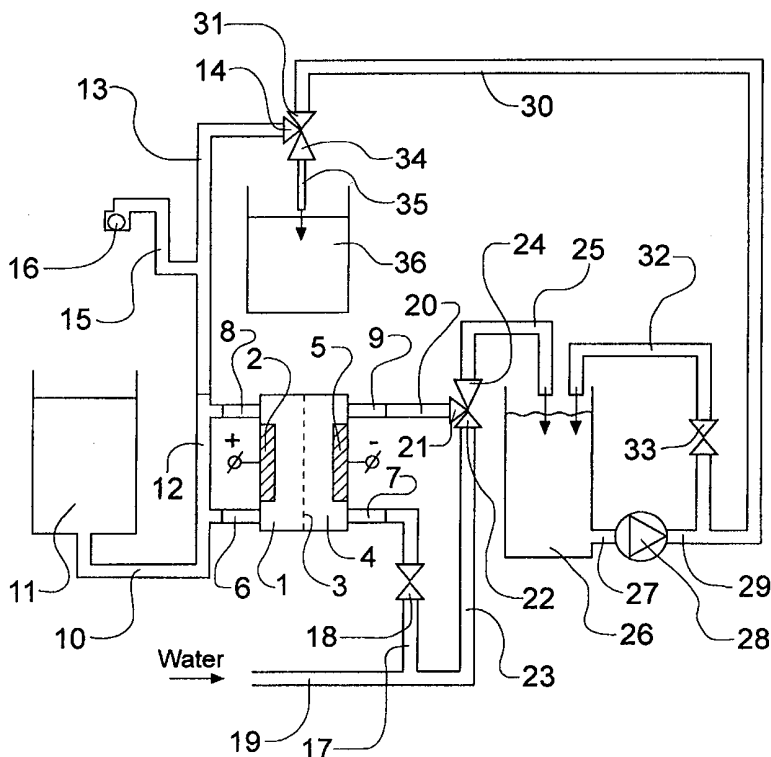
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(21) International Application Number: PCT/GB99/02054 (22) International Filing Date: 30 June 1999 (30.06.99) (30) Priority Data: 98113092 30 June 1998 (30.06.98) RU (71) Applicant (for all designated States except US): STERIOX MEDICAL (EUROPE) LIMITED [GB/GB]; 85E Milton Park, Abingdon, Oxfordshire OX14 4RY (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): POPOV, Alexey Yurevich [RU/RU]; Solovinyi Proezd, 2-35s, Moscow, 117593 (RU). POPOV, Dmitrii Alekseevich [RU/RU]; Solovinyi Proezd, 2-35s, Moscow, 117593 (RU). (74) Agents: KELTIE, David, Arthur et al.; David Keltie Associates, 12 New Fetter Lane, London EC4A 1AG (GB).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report. (88) Date of publication of the international search report: 8 September 2000 (08.09.00)	

(54) Title: ELECTROCHEMICAL TREATMENT OF WATER AND AQUEOUS SALT SOLUTIONS

(57) Abstract

A relatively concentrated and a relatively dilute aqueous salt solution are respectively passed through the anode and cathode chambers of a flow-through electrochemical cell having a porous membrane separating the two chambers. The fluid pressure in the cathode chamber is maintained at less than atmospheric pressure and at less than the fluid pressure in the anode chamber while a potential difference is applied across the anode and cathode. In this way, dangerous build-up of gaseous electrolysis products in the chambers, especially the anode chamber, is avoided.



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INTERNATIONAL SEARCH REPORT

Inter. nat. Application No
PCT/GB 99/02054

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C02F1/461

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)

IPC 7 C02F C25B

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 practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 510 026 A (SPAZIANTE PLACIDO M) 9 April 1985 (1985-04-09) the whole document ---	1
A	US 5 037 519 A (WISCOMBE BRENT) 6 August 1991 (1991-08-06) SEE ESPECIALLY COLUMN 6, LINES 20-29 AND COLUMN 10, LINES 36-38 ---	1
A	WO 98 12144 A (WILLOWBANK TECHNOLOGIES LIMITE ;POPOV ALEXEY YURIEVICH (RU); POPOV) 26 March 1998 (1998-03-26) the whole document --- -/--	1



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Date of the actual completion of the international search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DATABASE WPI Section Ch, Week 198551 Derwent Publications Ltd., London, GB; Class E36, AN 1985-317227 XP002128345 & CH 652 755 A (PANCLOR SA), 29 November 1985 (1985-11-29) abstract	1
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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PCT/GB 99/02054

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