



(43) International Publication Date
22 November 2012 (22.11.2012)

- (51) International Patent Classification:
C25B 1/13 (2006.01) *C25B 11/00* (2006.01)
- (21) International Application Number:
PCT/GB2012/000441
- (22) International Filing Date:
16 May 2012 (16.05.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
1108254.2 17 May 2011 (17.05.2011) GB
- (71) Applicant (for all designated States except US): **A-ZONE TECHNOLOGIES LIMITED** [GB/GB]; Agas Banyard Road, Portbury West, Bristol BS20 7XH (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **BRAY, Patrick** [GB/GB]; Nancorras, St. Mawes, Cornwall TR2 5AD (GB).
- (74) Agent: **AKERS, Noel, James**; N. J. Akers & Co, 7 Ferris Town, Truro, Cornwall, TR1 3JG (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

[Continued on next page]

(54) Title: ELECTROCHEMICAL CELL AND METHOD FOR OPERATION OF THE SAME

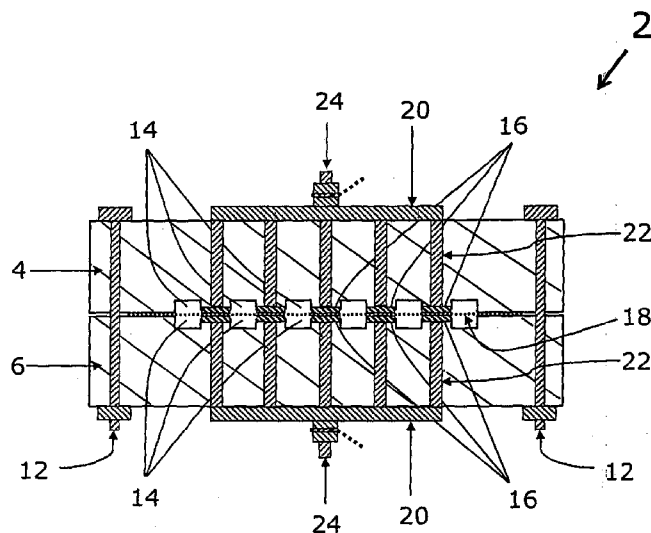


Figure 1

(57) Abstract: There is disclosed a method of operating an electrochemical cell for use in the electrolysis of water to produce ozone, the cell comprising a first electrode and a second electrode separated by a Cation Exchange Membrane, wherein the first and second electrodes each has an active surface formed from electrically conductive diamond, in a first mode of operation the electrochemical cell having a flow of electrical current in a first polarity, whereby the first electrode functions as an anode and the second electrode is a cathode; the method comprising providing the electrochemical cell in the first mode of operation with a supply of current to the electrodes in the first polarity to produce ozone at the first electrode for a first period of time; and providing the electrochemical cell in a second mode of operation with a supply of current to the electrodes in a second polarity, opposite to the first polarity, for a second period of time. An electrochemical cell for use in the aforementioned method is also disclosed.



(88) Date of publication of the international search report:

4 April 2013

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2012/000441

A. CLASSIFICATION OF SUBJECT MATTER

INV. C25B1/13 C25B11/00
ADD.

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)

C25B C02F

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 practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	page 4, paragraph 0027 - paragraph 0030; figures 1-4 page 7, paragraph 0050 - paragraph 0061 page 8, paragraph 0060 and paragraph 0067 - paragraph 0072 page 9, paragraph 0081 - paragraph 0082 page 10, paragraph 0092 page 11, paragraph 0100 - paragraph 0101 and paragraph 0108 - paragraph 0109 ----- -/--	3-12, 21-25, 27, 37-39, 42-49



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Date of the actual completion of the international search

24 January 2013

Date of mailing of the international search report

04/02/2013

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Cojuhovsky, Oana

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2012/000441

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Y	page 2, paragraph 0007 - page 3, paragraph 0010; figure 1 page 3, paragraph 0013 page 4, paragraph 0016 page 5, paragraph 0026; claim 16; example 1; table 1	1,2, 13-15, 17-23, 26,29, 32,33

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International application No

PCT/GB2012/000441

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International application No

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