

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
23 February 2006 (23.02.2006)

PCT

(10) International Publication Number
WO 2006/019473 A3

(51) International Patent Classification:

H01M 8/00 (2006.01) *H01M 6/48* (2006.01)
H01M 2/00 (2006.01) *H01M 10/18* (2006.01)
H01M 4/86 (2006.01)

(21) International Application Number:

PCT/US2005/020381

(22) International Filing Date: 9 June 2005 (09.06.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

10/895,249 20 July 2004 (20.07.2004) US

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(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, 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, 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).

Published:

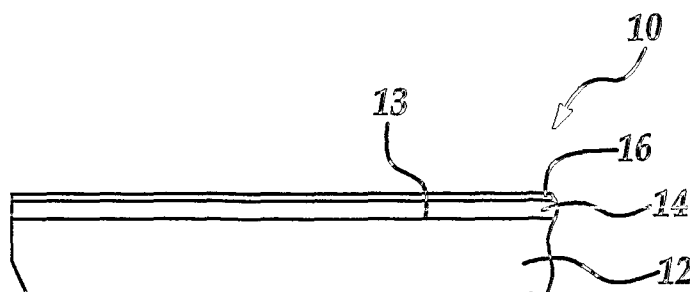
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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

25 January 2007

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.

(54) Title: ENHANCED STABILITY BIPOLAR PLATE



(57) Abstract: An enhanced stability and inexpensive bipolar plate (10) for a fuel cell is disclosed. The enhanced stability bipolar plate (10) includes a bipolar plate substrate (12) and a corrosion-resistant coating (14) provided on the bipolar plate substrate (12). A method for enhancing corrosion resistance of a bipolar plate (10) is also disclosed.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/20381

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **H01M 8/00**(2006.01),**2/00**(2006.01),**4/86**(2006.01),**6/48**(2006.01),**10/18**(2006.01)

USPC: 429/12,34,40,210

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)

U.S. : 429/12,34,40,210

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)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- P	US Pat Pub 2005/0037935 A1 (ABD ELHAMID et al) 17 February 2005, section 0035, 0057, 0037	1, 2, 7, 9, 10, 12-14, 16-18, 20-24, 26-29, 31-33
X Y --- P	US 6,649,031 B1 (IQBAL et al) 18 November 2003, column 3, lines 40-67, column 5, lines 8-20 US Pat. Pub. 2005/0037212 A1 (BUDINSKI) 17 February 2005, sections 0032, 0034, 0036, 0055	1, 2, 7, 9, 10, 12-14, 16-18, 20-24, 26-29, 1-33
A	US Pat Pub 2004/0005502 A1 (SCHLAG) 08 January 2004, sections 0021, 0036	1-33

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

20 June 2006 (20.06.2006)

Date of mailing of the international search report

27 NOV 2006

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/20381

Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: bipolar plate, corrosion resistant, steel, sputter, niobium, gold, platinum