

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 December 2002 (19.12.2002)

PCT

(10) International Publication Number
WO 2002/101865 A3

- (51) International Patent Classification⁷: **H01M 4/62**, 10/40
- (21) International Application Number: PCT/EP2002/005209
- (22) International Filing Date: 28 March 2002 (28.03.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
PCT/EP01/04291 3 April 2001 (03.04.2001) EP
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, 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, TR), OAPI patent (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:
8 April 2004
- 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: ELECTROCHEMICAL CELLS AND METHOD OF MAKING THE SAME

(57) Abstract: The present invention is a polymer alkaline ion electrochemical cell with improved thermal and chemical stability and a method for making the same. The cell of the invention comprises a positive collector, a negative collector, a positive electrode, a negative electrode, a separator and an electrolyte, said separator comprising a binder and filler, each of said electrodes comprising a binder, and is characterized in that at least one of said binders is a VDF/HFP copolymer which has been made insoluble in said electrolyte by a heat treatment. In a preferred embodiment, said copolymer is made insoluble by cross-linking.



WO 2002/101865 A3

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/05209

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01M4/62 H01M10/40

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 H01M

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)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

17 February 2004

Date of mailing of the international search report

24/02/2004

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/05209

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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