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(71) Applicant (for all designated States except US): **BALLARD POWER SYSTEMS INC.** [CA/CA]; 4343 North Fraser Way, Burnaby, British Columbia V5J 5J9 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ARTIBISE, Robert, H.** [CA/CA]; 2303-1501 Haro Street, Vancouver, British Columbia V6G 1G4 (CA). **FARRINGTON, Simon** [GB/CA]; 3416 West 2nd Avenue, Vancouver, British Columbia V6R 1J2 (CA).

(74) Agent: **DE KOCK, Elbie, R.**; Russell Reyneke, Suite 700 - Two Bentall Centre, 555 Burrard Street, Vancouver, British Columbia V7X 1M8 (CA).

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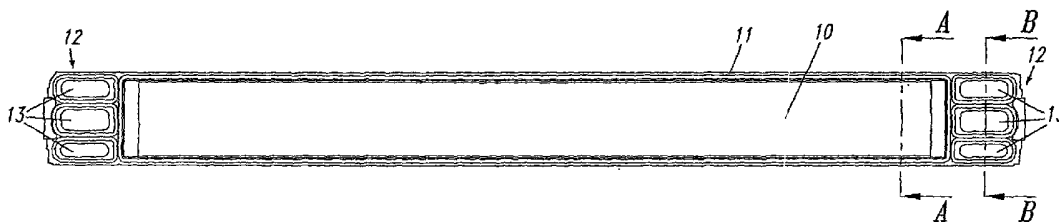
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(54) Title: MEMBRANE ELECTRODE ASSEMBLY WITH INTEGRATED SEAL



(57) Abstract: A membrane electrode assembly with an improved integrated seal comprises an edge seal having an inboard pad attached to the edge of the electrodes, a flexible coupling adjacent the pad, and a sealing element adjacent the coupling. The sealing element is significantly thicker than the pad, and the flexible coupling isolates the pad from stress experienced in the sealing element. Thus, greater compression can be applied to the sealing element, thereby providing an improved and more reliable seal, without overly compressing and damaging the attached pad.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/CA2004/000388

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01M8/10 H01M2/08

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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P,X	US 2003/224237 A1 (VANDERLEEDEN OLEN R ET AL) 4 December 2003 (2003-12-04) paragraph '0036!; figure 3C	1-5,7-9, 11,13-18
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☒ Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Fitzpatrick, J

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