

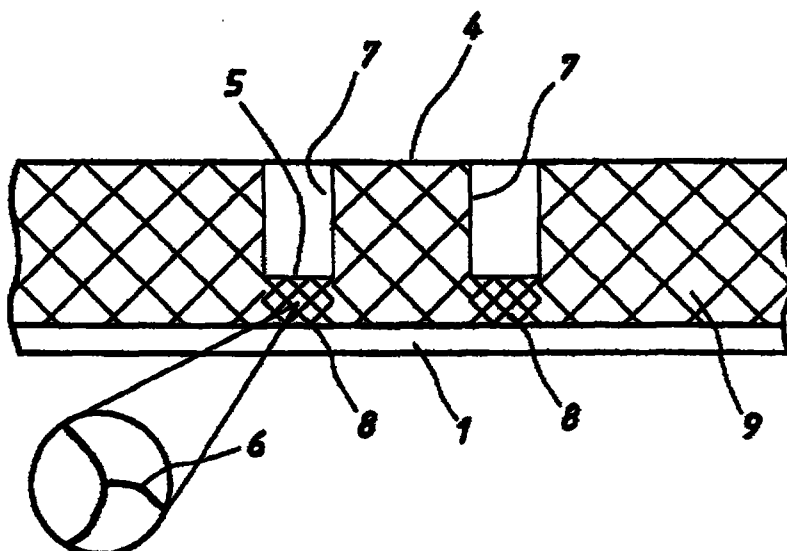


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(21) International Application Number: PCT/AU96/00210 (22) International Filing Date: 11 April 1996 (11.04.96) (30) Priority Data: PN 2393 12 April 1995 (12.04.95) AU (71) Applicant (for all designated States except US): MEMTEC AMERICA CORPORATION [US/US]; Suite 700, 9690 Deereco Road, Timonium, MD 21093 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): HODGES, Alastair, McIndoe [AU/AU]; 34 Samuel Road, Blackburn South, VIC 3130 (AU). JOHANSEN, Oddvar [NO/AU]; 16 Darnley Grove, Mulgrave, VIC 3170 (AU). BECK, Thomas, William [AU/AU]; 31 Drummond Street, South Windsor, NSW 2756 (AU). (74) Agent: SHELSTON WATERS; 60 Margaret Street, Sydney, NSW 2000 (AU).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: DEFINING AN ELECTRODE AREA**(57) Abstract**

The present invention relates to a method for defining an area (4) of a layer on a porous substrate comprising compressing a volume of the substrate to produce a compressed region (8) which defines, or which in combination with an edge (7) of the substrate or of the layer defines, a boundary of the area and which substantially prevents the transport of material through or across its surface. The present invention also relates to an electrochemical sensing device comprising: a porous substrate; and an electrode (1) on one side of the substrate; wherein a region of the substrate is compressed to an extent which forms a barrier to migration of electrolyte within the substrate, the compressed region defining, or in combination with an edge of the substrate or the electrode defining, a zone on the electrode of predetermined area.