

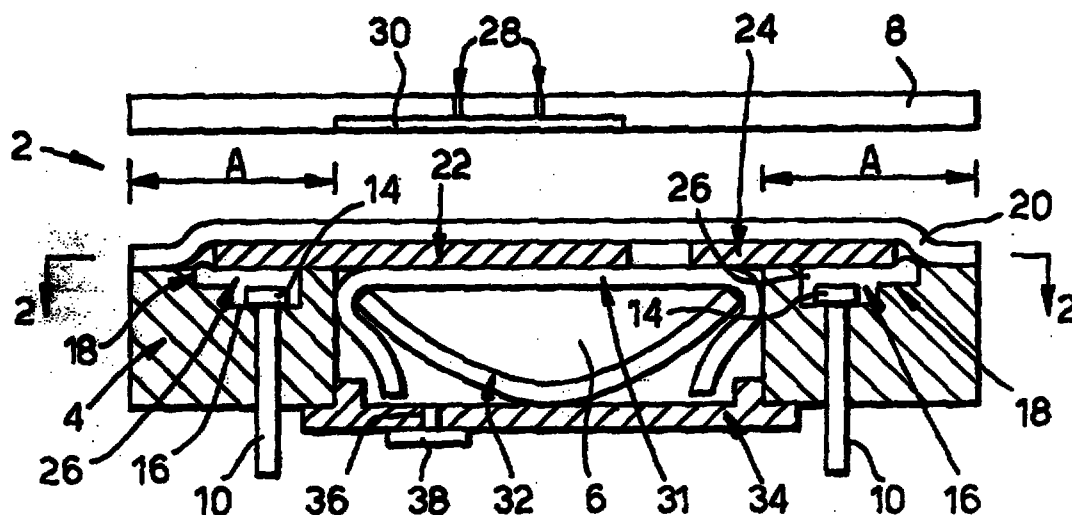
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(71) Applicant (for all designated States except US): CENTRAL RESEARCH LABORATORIES LIMITED [GB/GB]; Dawley Road, Hayes, Middlesex UB3 1HH (GB). ✓		Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	
(72) Inventors; and (75) Inventors/Applicants (for US only): DODGSON, John, Robert [GB/GB]; Central Research Laboratories Limited, Dawley Road, Hayes, Middlesex UB3 1HH (GB). SIMPSON, Richard, Iain [GB/GB]; Central Research Laboratories Limited, Dawley Road, Hayes, Middlesex UB3 1HH (GB). AUSTEN, Malcom, Trayton [GB/GB]; Central Research Laboratories Limited, Dawley Road, Hayes, Middlesex UB3 1HH (GB).			
(74) Agent: LUPTON, Fred; Thorn EMI Patents Limited, Central Research Laboratories, Dawley Road, Hayes, Middlesex UB3 1HH (GB).			

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(54) Title: GAS SENSOR



(57) Abstract

A gas sensor formed as an electrochemical cell having a small number of components and being inexpensive to manufacture comprises electrodes (22, 24) formed as porous planar elements on a substrate (20), the substrate being porous to permit permeation of gas to the electrodes from the exterior of the gas sensor, external electrode terminals (10) mounted in the periphery of a housing (4) wherein in the region of the terminal ends, the electrodes, substrate and housing are subject to a heat and pressure welding operation in order to hold the terminals and electrodes in electrical connection with one another while blocking the porosity of the electrodes in order to prevent electrolyte permeating through the electrodes to the electrical connection.