ABSTRACT

ELECTROCHEMICAL SENSOR

An electrochemical sensor wherein an ion impermeable plug is interposed between the adjacent faces of the large plugs that are used in the salt bridge. The salt bridge also includes a solid cylindrical plug that passes through the ion impermeable plug to thereby interconnect the adjacent large plugs. The large plugs have a central bore for receiving the glass sense electrode. The impermeable plug has protrusions to provide a better seal between the impermeable plug and the glass sense electrode and the impermeable plug and the housing in which the salt bridge is inserted. In addition, the sensor may also include a rigid liner between the large plugs and the glass sense electrode to act as a barrier to prevent damage to this sense electrode during and after impregnation.

FIG. 1