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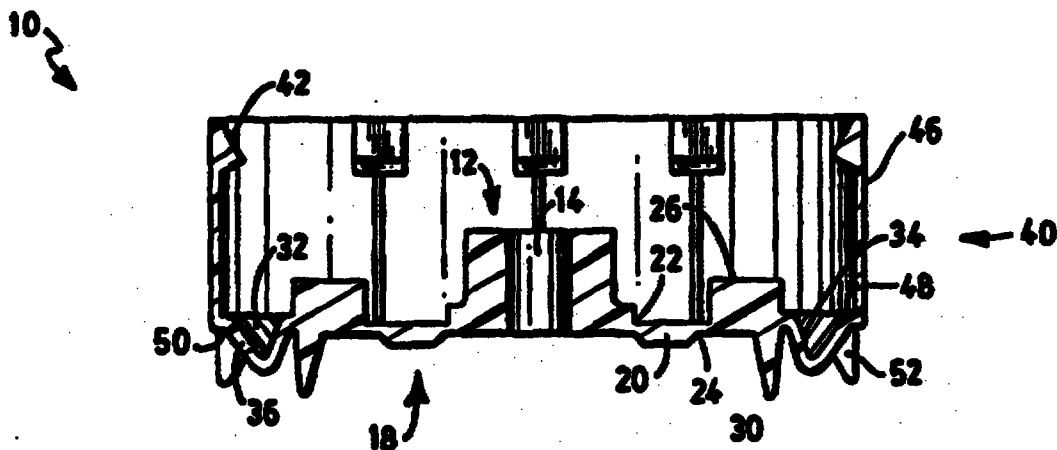
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(54) Title: SEAL FOR ELECTROCHEMICAL CELL



(57) Abstract

An electrochemical cell has a wheel shaped molded plastic seal member (10) of a unitary construction which includes a central cylindrical hub (12) from which depend in outward radial sequence, an annular pressure vent (18), a boss (26), a downward projecting skirt (30), an annular flexure means (38), for providing radial movement and an outer rim terminating at its periphery in a cylindrical wall (40). The pressure vent (18) includes a thin membrane ring (22) depending from the hub (12) which joins the hub (12) to an annular diaphragm (20). A hinged ring (24) joins the periphery of the diaphragm (20) to the boss (26). The seal (10) member is designed so that the membrane ring (22) fails primarily in shear at excessive cell pressure which makes the vent (18) more reliable and easier to fabricate.