

ABSTRACT OF THE DISCLOSURE

A biocompatible energization element including a laminate battery structure

A biocompatible energization element including a laminate battery structure comprising a cathode spacer layer (540) with a first hole; a first current collector (580) coated with anode chemicals (570) attached to the cathode spacer layer (540), and where the anode chemicals layer (570) forms the floor of the first hole, and a separator layer (590) is partly filled into the first hole, and further the hole is filled with cathode chemicals (510); a second current collector (520) in electrical contact with the cathode chemicals (510) and attached to the cathode spacer layer (540). The biocompatible energization element can be used in a biomedical device such as a contact lens.

Fig. no. 5