

SUPERCAPACITOR AND METHOD FOR MAKING THE SAME

ABSTRACT

The supercapacitor comprises a first electrode, a second electrode, a first ionic carrier configured to contact the first electrode to provide a first ion-conductive pathway for transportation of ions to and from the first electrode, and a first retaining layer configured to retain the first ionic carrier between the first electrode and the first retaining layer. Further, the supercapacitor comprises an electrolyte dispersed between the first and the second electrodes to provide the ions, a first current collector configured to contact the first electrode and a second current collector configured to contact the second electrode. A method for making the supercapacitor is also presented.

Figure 1