A bipolar electrode comprises an intermediate layer comprising one or more carbon materials. The bipolar electrode further comprises first and second layers disposed on opposite surfaces of the intermediate layer and configured to act as an anode and a cathode. The first and second layers comprise at least one of one or more electrically conductive carbon materials and one or more conductive polymers. A supercapacitor desalination device and a method for making the bipolar electrode are also presented.

FIG. 2
Declarations under Rule 4.17:
— as to applicant’s entitlement to apply for and be granted a patent (Rule 4.17(H))
— as to the applicant’s entitlement to claim the priority of the earlier application (Rule 4.17(H))

Published:
— with international search report (Art. 21(3))

(48) Date of publication of this corrected version: 23 February 2012

(15) Information about Correction: see Notice of 23 February 2012