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(54) Title: USE OF ZEOLITE-TEMPLATED CARBON (ZTCs) AS ELECTRODES FOR SUPERCAPACITORS

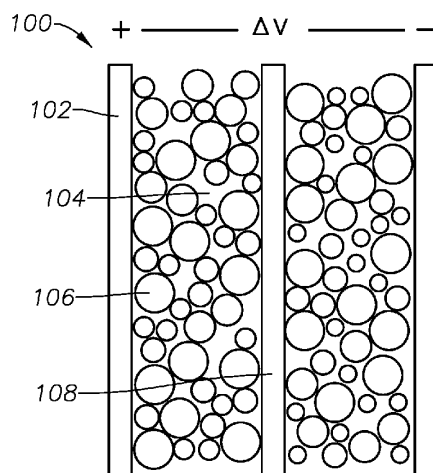


FIG. 1

(57) Abstract: ZTCs are used as active material for electrodes for supercapacitors. The ZTCs are generated from CaX or NaX templates. Carbon vapor deposition is performed utilizing acetylene, ethanol, or propylene. The ZTC-zeolite composition is graphitized, cooled, and undergoes an acid wash to remove the zeolite template. The ZTC generated from the process features a high surface area, and is operable for use as an active material in a supercapacitor. The supercapacitor can also feature an H₂SO₄ electrolyte.

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