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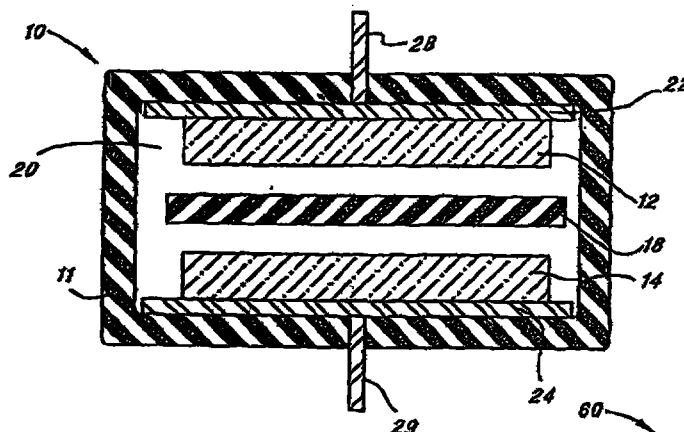
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(54) Title: MULTI-ELECTRODE DOUBLE LAYER CAPACITOR HAVING HERMETIC ELECTROLYTE SEAL



(57) Abstract: A long life double layer capacitor (10) and method of making the same comprising a case (11) and a first terminal (28) with an electrically insulating hermetic seal interposed between the first terminal and the case. A first current collector foil (22) is electrically coupled to an interior portion of the first terminal and a first metal impregnated carbon cloth electrode (12) having a metal impregnated side which is juxtaposed against the first current collector foil. A porous separator (18) is then juxtaposed against the first metal impregnated carbon cloth electrode and separating the first metal impregnated carbon cloth electrode from a second metal impregnated carbon cloth electrode (14) having a metal impregnated side which faces away from the porous separator. A second current collector foil (24) is juxtaposed against the metal impregnated side of the second metal impregnated carbon cloth electrode and is electrically coupled to the second terminal (29). And an electrolyte solution (20) saturates the first and second metal impregnated carbon cloth electrodes and is substantially contained by the case and the electrically insulating hermetic seal such that an influx of impurities into the electrolyte solution is substantially inhibited by the case and the electronically insulating hermetic seal.

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