Patent Search

Invention Title	DESIGN AND DEVELOPMENT OF A GEL BASED ELECTROLYTIC BATTERY FROM TAMARIND FRUIT
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Abstract:

Complete Specification

DESCRIPTION OF THE INVENTION

[0005] Electrolyte membrane made from tamarind fruit pulp and other botanical components Tamarind pulp infused with salt (116), chili powder (117), turmeric powder (114), and distilled after(118) m the following proportions.In four hours at 40 degrees Celsius, a gel will form to eliminate the moisture from the tamarind pulp Herbal- infused gel will be cut into 1 Elm-radius sheets. Similarly, anode and cathode electrodes and porous Kraft paper (110) are éimmed to a radius of 1 cm The cathode is the base layer, and a sheet of Klafi paper is Eeposited on top. Electrodes made of zinc (107) and carbon (108) are utilized In this tamarind battery.

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10006] The gel sheet was deposited on the Kraft paper sheet (110), followed by the anode. In a fimilar fashion, five pairs axe placed one upon one. The enclosure polylactic acid (PLA) cylinder (~105) is subsequently affixed to the tamarind- based battery object. A cylinder-shaped metal pin will be placed on top- of the PLA cylinder, and it will be connected anode' s anode top

(111). The user can connect the burden to the tamarind battery 5 anode and cathode (107)

View Application Status