

Carbon based membrane used for desalination in water, dye degradation and solar concentrator

The Technology

- The invention discloses a carbon based membrane used for desalination of water.
- The carbon based membrane can be used for dye degradation also.
- Another use of the carbon based membrane is in concentrating solar light.
- The carbon based membrane removes salt and other halides from the water.
- The carbon based membrane can include, but is not limited to, a burnt sugarcane juice membrane, a burnt honey membrane; a corn syrup burnt 5 membranes, and a burnt sugarcane bagasse (SBB).
- The carbon based membrane is tested for a salt solution with 0.05M to 0.5M molarity.
- The weight of the carbon based membrane is 0.4gm for the desalination of water.
- The weight of the carbon based membrane is chosen between 0.3gm and 0.4gm for the dye degradation.