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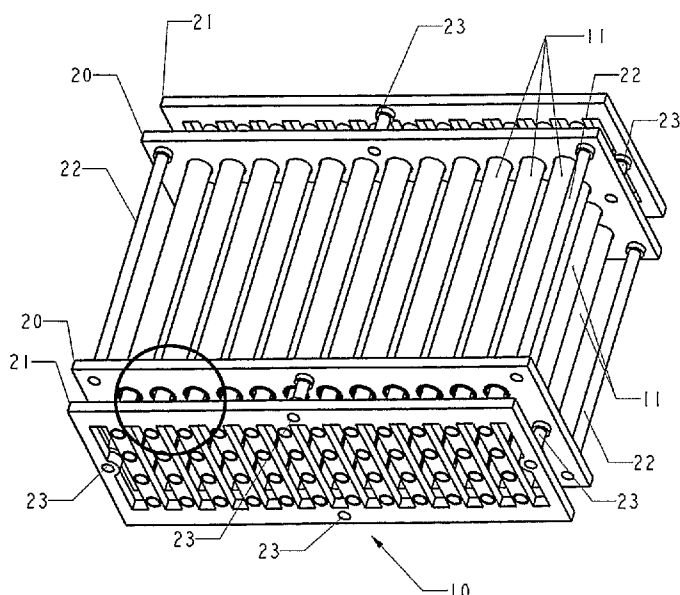
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(54) Title: APPARATUS FOR AIR PURIFICATION AND DISINFECTION



(57) Abstract: An apparatus for air purification and disinfection is provided. The apparatus includes at least one elongated reactor having an elongated inner electrode and an elongated outer electrode. The outer electrode encompasses at least a portion of the inner electrode along a longitudinal axis of the reactor. The outer and inner electrodes are positioned in a substantially concentric relationship and define a reaction chamber therebetween. The apparatus also includes an inner electrode mounting member holding the inner electrode at an end of the inner electrode and an outer electrode mounting member holding the outer electrode at an end of the outer electrode. The apparatus further includes a power supply adapted to supplying electrical power to the inner and outer electrodes to generate plasma within the reaction chamber to purify and disinfect air flowing therethrough.

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