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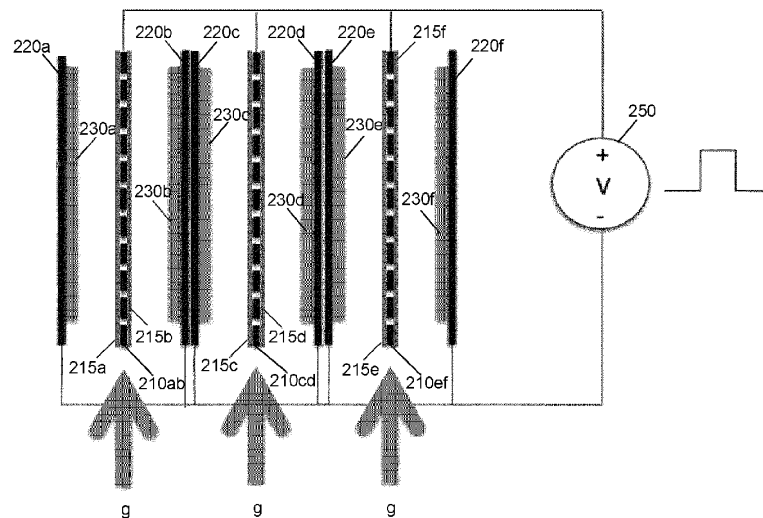


FIG. 2

(57) Abstract: There is provided a dielectric barrier electrical discharge apparatus, system and method. The apparatus comprises at least two electrodes arranged in use to provide at least one anode and at least one cathode an electric field thereby being establishable therebetween, the at least two electrodes being separated to allow a fluid to be present between the electrodes in use. At least one of the electrodes has a dielectric portion connected to at least part of said electrode, and a sub-macroscopic structure is connected to at least one of the electrodes or dielectric portion.

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