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(54) Title: PULSED FIELD ABLATION DEVICE AND METHOD

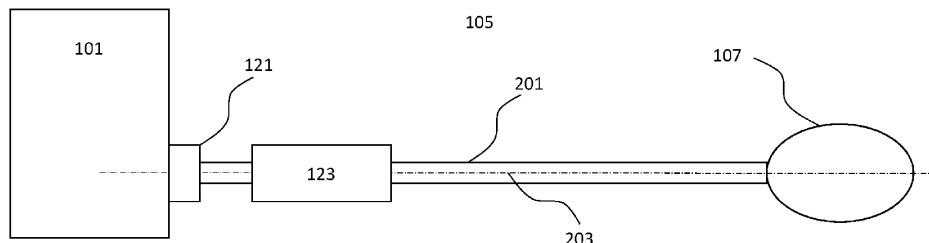


Fig. 2

(57) Abstract: An ablation device and method for pulsed field ablation, the device comprising a catheter including an expandable basket, a set of electrodes formed on the expandable basket, and a pulse generator suitable for generating electric pulses wherein the pulse generator being in electrical connection with the set of electrodes. The expandable basket is formed of a braided mesh of filaments, wherein the filaments are made of nonconductive material, wherein at least portion of the filaments comprises a lumen, and wherein the lumen comprises melted material, wherein the filaments further include electrodes and conductive wires. The conductive wires at least partially lead inside of the lumen of the filaments, and are electrically connected to the electrodes.

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