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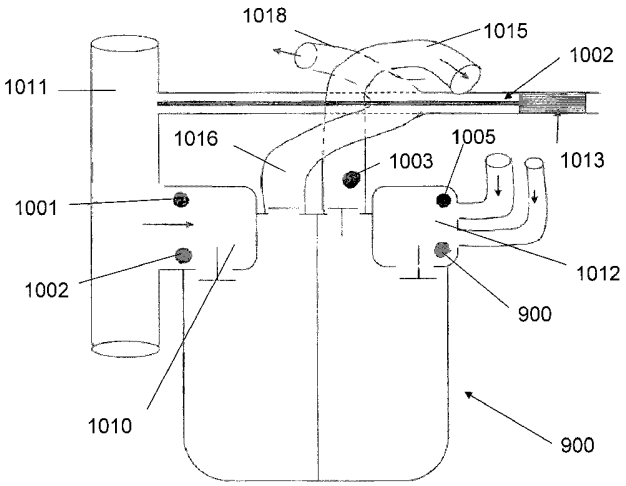
[Continued on next page]

(54) Title: IMPROVED USE OF ELECTRIC FIELDS FOR REDUCING PATIENT DISCOMFORT DURING DEFIBRILLATION

Fig. 10



(57) Abstract: Devices, systems and methods for reducing patent discomfort during defibrillation by delivering pulses to electrode configurations that create electric fields confined to and/or concentrated in an area of fibrillation are described. Embodiments provide for an implantable defibrillator having an electrode lead system having at least one electrode lead and at least one three electrodes, a controller for determining whether fibrillation exists and a voltage generator for discharging one or more defibrillation pulses to the at least three electrodes to create electric fields having different directions and high electric field concentrations in areas of the heart needing defibrillation and low electric field concentrations outside those areas.

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