

Apparatus and Method for Percutaneous Catheter-based Focal Tissue Ablation

Disclosure Number

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Technology Summary

The invention relates to catheter based ablation procedures and more specifically to an apparatus and method for providing cardiac ablation procedures of cardiac arrhythmias and hypertension. Current ablation technology relies predominantly on radiofrequency energy delivery, and is marred by persistent complications. Improvements in control over depth, size, and permanence of the thermal lesions created, as well as control over placement of them, are all possible and should decrease the complication rate while increasing effectiveness of the treatment. This invention provides a better means for performing ablation therapy with feedback monitoring to assess the status and progress of the treatment in situ during the process.

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