

CLAIMS

1. An energy delivery device comprising an energy emission region, a main body, a flexible joint, and an adjustable tip,
wherein the energy emission region is configured to emit ablation energy, wherein the energy emission region comprises a microwave antenna, wherein the microwave antenna is configured to circulate a coolant,
wherein the main body defines a main body linear axis of the energy delivery device,
wherein the flexible joint is positioned between the main body and the adjustable tip,
wherein the flexible joint is configured such that its direction in relation to the main body linear axis is adjustable in any desired direction and can be fixed at such a desired direction,
wherein adjustment of the flexible joint results in identical adjustment of the adjustable tip,
wherein the energy emission region is positioned entirely within the adjustable tip,
wherein the energy emission region, the main body, the flexible joint, and the adjustable tip have a substantially uniform diameter.
2. The energy delivery device of Claim 1, wherein the flexible joint is configured such that its direction in relation to the main body linear axis is rotatably adjustable in any desired direction.
3. The energy delivery device of Claim 1, wherein the flexible joint is configured such that its direction in relation to the main body linear axis is flexibly adjustable in any desired direction.
4. The energy delivery device of Claim 1, wherein the flexible joint is configured such that its direction in relation to the main body linear axis is manually adjustable in any desired direction.
5. The energy delivery device of Claim 1, wherein the flexible joint is configured such that its direction in relation to the main body linear axis is automatically adjustable in any desired direction.

6. The energy delivery device of Claim 1, wherein the flexible joint is a formable joint.
7. The energy delivery device of Claim 1, wherein the flexible joint is formed from a flexible and adjustable material.
8. The energy delivery device of Claim 1, wherein the energy emission region is configured to emit radiofrequency ablation energy.
9. The energy delivery device of Claim 1, wherein the microwave antenna comprises a co-axial transmission line.
10. The energy delivery device of Claim 1, wherein the microwave antenna comprises a tri-axial transmission line.
11. A system comprising the device of Claim 1 and a power supply electrically connected to the energy delivery device.
12. The system of Claim 11, wherein said power supply generates microwave energy.