

## **Abstract**

A metal rod inside a radio frequency electrode assembly and radio frequency electrode assembly. The metal rod is enclosed within an electrode support component, with one end connected to a radio frequency electrode plate in a heater, and the other end connected to a subsequent radio frequency component. The metal rod is cut into two sections with a gap at a position enclosed by the electrode support component, and the two sections of the metal rod are connected by a metal spring plate, thereby achieving a cooling and heat insulation effect.

(FIG. 4)