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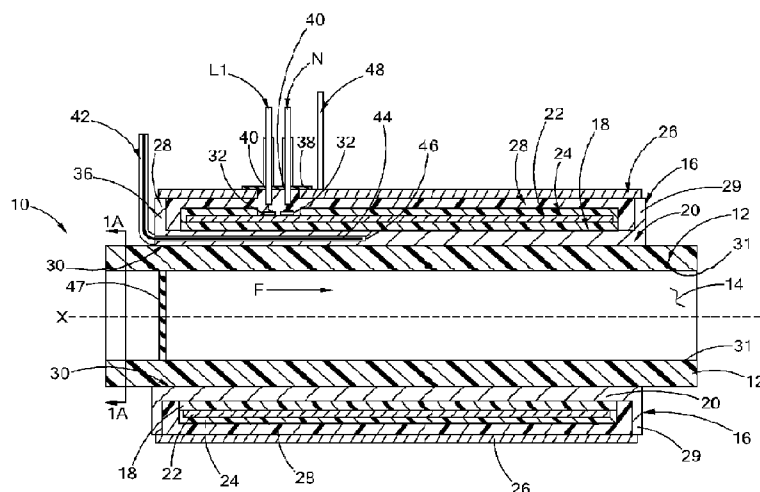


FIG. 1

(57) Abstract: An electrical heating device for medical equipment is provided. The heating device includes a body, which may be an insulating body forming a channel therethrough for fluid travel, an insulating material surrounding the body, and a heater surrounding the body and the insulating material. In other forms, the electrical heating device for medical equipment has a conducting body, instead of an insulating body, forming a channel therethrough for fluid travel. A base dielectric layer is disposed on the conducting body, and a heater surrounds the base dielectric layer and the conducting body. A top dielectric layer is disposed on the heater, and a protection housing surrounds the top dielectric layer.

