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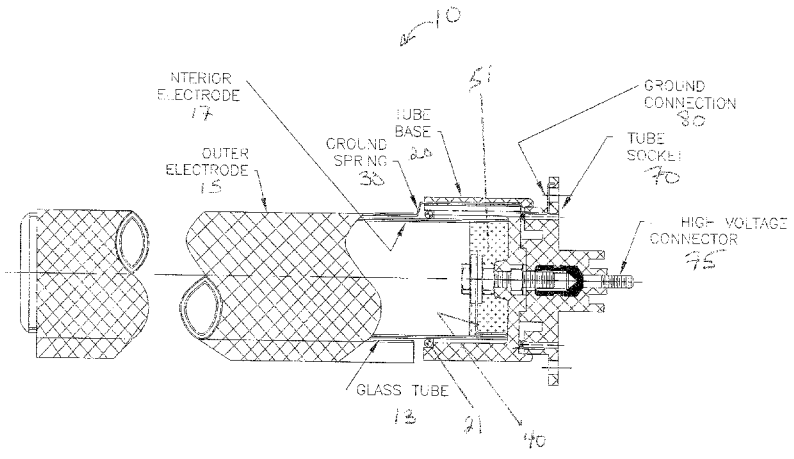
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(54) **Title**: BI-POLAR IONIZATION TUBE BASE AND TUBE SOCKET

FIG. 4



(57) **Abstract**: The present invention provides an air treatment apparatus. The air treatment apparatus comprises a housing electrically connectable to a voltage source and generating a high voltage and a glass tube. The air treatment apparatus further comprises a tube base electrically connecting internally high voltage to an inner electrode within the glass tube and electrically connected internally an outer electrode surrounding the glass tube and a tube socket electrically connected internally to the outer electrode and electrically connected to a grounding pad, wherein the grounding pad is mechanically connectable to the housing and electrically connectable to the housing.

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