

ABSTRACT

An apparatus that supports ionizing pins which extend radially outwardly from an annular assembly ring. The apparatus is preferably used as part of an ion air blower and is preferably contained inside of an ion air blower housing. Also enclosed in the ion air blower housing is a fan that is used to force air over the ionizing pins. The ionizing pins extend from the outer surface of the annular assembly ring with the ionizing pin tips positioned in an air guide proximate to the point of fastest airflow generated by the fan blades. This facilitates the stripping of ions from the ends of the ionizing pins by the propelled air. Additionally, the outwardly orientation of the ionizing pins naturally allows the ions to be directed outward towards the fastest airflow and allows for the increased miniaturization of an ion air blower using the emitter of the present invention.