

CLAIMS

What is claimed is:

1. An active field polarized media air cleaner comprising:
a first conductive outer screen;
a second conductive screen substantially parallel to said first conductive outer screen;
a pad of material, the pad of material being disposed between said first conductive outer screen and said second conductive screen; and
a high-voltage power supply having first and second terminals, the first terminal of said high voltage power supply being connected to said second conductive screen, said second terminal of said high-voltage power supply being coupled to said first conductive outer screen.
2. A filter media in accordance with claim 1, wherein the material is fibrous polyester.
3. A filter media in accordance with claim 1, wherein the material is fiberglass.
4. A filter media in accordance with claim 1, wherein the material is a non-woven material.
5. A filter media in accordance with claim 1, wherein the material is subject to UV light.
6. A filter media in accordance with claim 1, wherein the material comprises multiple layers, wherein at least one of the layers is treated by a photocatalyst.
7. A filter media in accordance with claim 6, wherein at least one of the layers is a different material from the other layer.
8. A filter media in accordance with claim 8, wherein at least one of the layers is a different material from the other layer.