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 mixed triboelectric material comprising fibers from different parts of the triboelectric scale; said pad of mixed triboelectric 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, said 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. An active field polarized media air cleaner in accordance with claim 1, wherein said pad of mixed triboelectric material comprises a first layer of fibers from one part of the triboelectric scale, and a second layer fibers from a different part of the triboelectric scale.

3. An active field polarized media air cleaner in accordance with claim 1, wherein said pad of mixed triboelectric material comprises a blend of first and second fibers, said first fibers being from one part of the triboelectric scale and said second fiber being from a different part of the triboelectric scale.

~~4. A filter media for an active field polarized media air cleaner comprising:~~

~~an air permeable filter material that includes a photocatalyst; and~~

~~first and second electrodes located on either side of the material that provide a polarizing field through the photocatalyst-treated air permeable filter material.~~

~~5. A filter media in accordance with claim 4, wherein the material is fibrous polyester.~~

~~6. A filter media in accordance with claim 4, wherein the material is fiberglass.~~

7. A filter media in accordance with claim 4, wherein the material is a non-woven material.

8. A filter media in accordance with claim 4, wherein the material is subject to UV light.

9. A filter media in accordance with claim 4, wherein the material comprises multiple layers, wherein at least one of the layers is not treated by the photocatalyst.

10. A filter media in accordance with claim 9, wherein at least one of the layers is a different material from the other layer.

11. A filter media for an active field polarized media air cleaner comprising:

an air permeable filter material that has been contains a photocatalyst, wherein in the presence of ultraviolet light, the filter releases agents that react with contaminants; and

first and second electrodes located on either side of the material that provide a polarizing field through the air permeable filter material.

12. A filter media in accordance with claim 8, wherein the material is fibrous polyester.

13. A filter media in accordance with claim 8, wherein the material is fiberglass.

14. A filter media in accordance with claim 8, wherein the material is a non-woven material.

15. A filter media in accordance with claim 8, wherein the material is subject to UV light.

16. A filter media in accordance with claim 8, wherein the material comprises multiple layers, wherein at least one of the layers is not treated by the photocatalyst.

17. A filter media in accordance with claim 13, wherein at least one of the layers is a different material from the other layer.