

[54] STRATOSPHERIC WELSBACH SEEDING FOR REDUCTION OF GLOBAL WARMING

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[57] ABSTRACT

A method is described for reducing atmospheric or global warming resulting from the presence of heat-trapping gases in the atmosphere, i.e., from the greenhouse effect. Such gases are relatively transparent to sunshine, but absorb strongly the long-wavelength infrared radiation released by the earth. The method includes the step of seeding the layer of heat-trapping gases in the atmosphere with particles of materials characterized by wavelength-dependent emissivity. Such materials include Welsbach materials and the oxides of metals which have high emissivity (and thus low reflectivities) in the visible and 8–12 micron infrared wavelength regions.

18 Claims, 2 Drawing Sheets

