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(54) Title: AN ELECTROMAGNETIC SHIELD**(57) Abstract**

An electromagnetic shield (20) for protecting individuals from the adverse effects of electromagnetic radiation includes a homogenous composition of finely ground tourmaline and a porous carrier. The electromagnetic shield (20) is attached to a radiating device such as the handset of a portable telephone. The tourmaline reacts with moisture in the air to produce negative ions which cancel the positive ions created by the radiating device, thereby substantially reducing or eliminating the harmful effects of the radiation. The electromagnetic shield (20) composition can be molded into housings for radiating devices.

