

SCRATCH-RESISTANT METAL FILMS AND METALLIZED SURFACES AND METHODS OF FABRICATING THEM

ABSTRACT

[0039] Devices for conducting electrical signals and methods for fabricating the subject devices are provided by the present invention. The subject devices are layered structures which include at least one textured conductive film, layer or surface designed to resist the effects of scratching of the material and thereby maintain the conductivity of the material. More specifically, the subject devices include thin metal films or metallized surfaces having peaks and valleys formed therein such that a scratch within the film or surface does not extend completely through to the bottom surface of the valley, thereby maintaining a conductive pathway through the film or surface.