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(54) **TRANSPARENT SOLDER MASK PROTECTION FILM, METHOD FOR PRODUCING THE SAME, AND METHOD FOR USING THE SAME**

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(57) **ABSTRACT**

A transparent solder mask protection film, a method for producing the same, and a method for using the same are provided. The transparent solder mask protection film includes a first film layer, a second film layer, and a release film material. The first film layer is a polyester base film layer. The second film layer is formed on a surface of the first film layer. The second film layer is a pressure sensitive adhesive film layer. The release film material includes a release base film and a release coating layer disposed between the release base film and the second film layer. The release base film is a polyester release film. The release coating layer includes a silicone resin material and inorganic particles. After the release film material is separated from the second film layer, a surface of the second film layer is formed into a concave-convex microstructure.

**5 Claims, 4 Drawing Sheets**

