

LIGHT CONTROL DEVICE AND METHOD FOR MANUFACTURING THE
SAME

Abstract

There is provided a light control device that solves various practical problems, including the adhesive strength between layers, of a light control device comprising a polymer/liquid crystal composite derived from a polymerizable composition comprising an acrylic monomer and ITO layers. In the light control device, ITO layers are respectively bonded to both surfaces of a polymer/liquid crystal composite material layer in which a liquid crystal material is dispersed in a polymer material obtained by polymerizing an acrylic monomer, an amount of the acrylic monomer is in the range of 30 to 45% by weight based on a total amount of the acrylic monomer and the liquid crystal material, and silane coupling agent layers are respectively interposed between the polymer/liquid crystal composite material layer and the ITO layers.

Fig. 1