

ABSTRACT

GLASS SUBSTRATE FOR FLAT PANEL DISPLAY, AND PROCESS FOR PRODUCING THE SAME

A main object of the invention is to provide a process for producing a glass substrate for flat panel displays (FPD), the glass substrate being patterned with high accuracy by forming on the surface of the glass substrate a cover layer of high chemical resistance and high adhesiveness prior to wet etching.

A glass substrate for FPD, the glass substrate having a surface patterned in a predetermined form, is obtained by forming a cover layer 2 on a part of the surface of a glass substrate 1, etching the surface of the glass substrate except the part having the cover layer formed thereon by a treatment using an etchant containing hydrofluoric acid, and then removing the cover layer. A first preferable example of the cover layer 2 includes one formed by film transfer using a resin selected from epoxy resin, polyvinyl acetal resin, polyester resin and fluororesin as a raw material of a cover material.