ABSTRACT

GLASS PLATE SURFACE ETCHING METHOD, GLASS PLATE ETCHING APPARATUS, GLASS PLATE FOR FLAT PANEL DISPLAY, AND FLAT PANEL DISPLAY

(Object) To provide an etching method capable of uniformly etching a glass surface by allowing uniform contact of an etchant to the glass surface, and an apparatus using the method.

(Solving Means) In an inventive etching method, an etchant is sprayed on a surface of a glass plate, after which the etchant is removed to thereby accomplish etching of the glass plate. At this time, it is preferred that the etchant is sprayed on a bottom surface of a horizontally held glass plate. An inventive etching apparatus includes a supporting member for supporting a glass plate, a nozzle for spraying an etchant to a glass surface and an etchant reservoir for reserving the etchant. In this apparatus, the supporting member preferably supports a glass plate in a horizontal state, and the nozzle is preferably disposed so as to be able to spray an etchant on a bottom surface of the glass plate supported horizontally.

Figure 1