

ABSTRACT OF THE DISCLOSURE

A given planarity of the underlying layer is ensured after removal of a porous layer. In the first
5 step, a porous layer is filled with a preprocess solution (e.g., water). In the second step, the preprocess solution filling the porous layer is replaced with an etchant (e.g., fluoric acid), and the porous
10 layer is etched by the etchant. With this process, the time in which the porous layer is filled with the etchant is shortened to suppress variations in progress of etching.

