

ABSTRACT

A polarizer according to the patent invention which is used for a polarizing film having an adhesive layer on one side of the polarizer is configured to contain boric acid and a polyvinyl alcohol-based resin, to have a thickness of 10 μm or less, and to have an optical property satisfying the condition represented by the expression: $P > -(10^{0.929T - 42.4} - 1) \times 100$ (when $T < 42.3$) or $P \geq 99.9$ (when $T \geq 42.3$), wherein T represents the single-body transmittance and P represents the polarization degree. In addition, a boric acid content (a) measured from one side of the polarizer, the one side to be provided with the pressure-sensitive adhesive layer, is less than a boric acid content (b) measured from the other side. The polarizer according to the patent invention can reduce defects due to through cracks and nano-slits even when the polarizer has predetermined optical properties and a thickness of 10 μm or less.

Fig. 1