Claims

[Claim 1] A polarizing plate with a retardation layer, comprising:

a polarizer;

a protective layer bonded onto one side of the polarizer through intermediation of a first adhesive layer; and

a retardation layer bonded onto another side of the polarizer through intermediation of a second adhesive layer,

wherein the polarizer has a thickness of from 2 μm to 12 μm, a boric acid content of 18 wt% or more, an iodine content of 2.1 wt% or more, a single layer transmittance of 44.2% or more, a polarization degree of 98% or more, and an orientation function of 0.35 or more,

wherein the retardation layer has a thickness of 50 μm or less and a birefringence Δn_{xy} of 0.0025 or more,

wherein the first adhesive layer has a thickness of from 0.5 μm to 2 μm,

wherein the second adhesive layer has a thickness of 2 μm or less, and

wherein the retardation layer has a Re(550) of from 80 nm to 200 nm.

[Claim 2] The polarizing plate with a retardation layer according to claim 1, wherein the retardation layer comprises a resin film selected from a cyclic olefin-based resin film and a polycarbonate-based resin film.

[Claim 3] The polarizing plate with a retardation layer according to claim 1 or 2, wherein the retardation layer is configured to function as a λ/4 plate.

[Claim 4] The polarizing plate with a retardation layer according to any one of claims 1 to 3, wherein the polarizer is obtained by forming a polyvinyl alcohol-based resin layer on one side of a resin substrate, and stretching and dyeing a laminate of the resin substrate and the polyvinyl alcohol-based resin layer to turn the polyvinyl alcohol-based resin layer into a polarizer.

[Claim 5] The polarizing plate with a retardation layer according to any one of claims 1 to 4, wherein the polarizing plate with a retardation layer has a total thickness of 150 μm or less.

[Claim 6] The polarizing plate with a retardation layer according to any one of claims 1 to 5, wherein the first adhesive layer and the second adhesive layer each have an indentation elastic modulus of 1.0×10^{7} Pa or more.

[Claim 7] An image display apparatus, comprising the polarizing plate with a retardation layer of any one of claims 1 to 6.