CLAIMS

1. An eyeglass lens for making an effect of suppressing near-sightedness, the eyeglass lens comprising:

a lens substrate having a plurality of substrate protruding portions that protrude from a substrate base portion on a surface of the lens substrate;

a coating film provided so as to cover the plurality of substrate protruding portions; and

a coating film base portion, which is a part formed by the coating film on the substrate base portion, wherein

the outermost surface of the eyeglass lens having a plurality of convex portions and concave portions,

the substrate base portion and the coating film portion are a portion with a shape realising a power of a wearer's prescription,

more than 50% of all of the substrate protruding portions are identified as a substrate-protruding portion α,

the height of the substrate-protruding portion α is in a range between 0.5 and 2 μm,

the thickness of the coating film at the coating film base portion is in a range between 2.0 and 5.0 μm,

portions where the coating film is on the substrate-protruding portion α is a coating film convex portion α',

the thickness of the coating film at the coating film convex portion α' is in a range between 2.0 and 5.0 μm,

the smallest value of the thickness of the coating film at a base of the substrate-protruding portion α is in a range of 0.40 and 1.20 times of the film thickness of the coating film base portion,

on a cross-section of the lens that includes a center of the coating film convex portion α', (the smallest value of difference values expressed by (the largest value of the thickness of the coating film – the thickness of the coating film at a vertex of the coating film convex portion)) / (the largest value of difference values expressed by (the largest value of the thickness of the coating film – the thickness of the coating film at the vertex of the coating film convex portion)) is in a range of 0.10 and 0.60,

a refractive power of the substrate-protruding portion α is in a range between 2.50 D and 6.50 D, and

a defocus power of the coating film convex portion α' is in a range between 2.50 D and

6.50 D.

2. A method of producing an eyeglass lens for making an effect of suppressing near-sightedness, the eyeglass lens comprising:

a lens substrate having a plurality of substrate protruding portions that protrude from a substrate base portion on a surface of the lens substrate;

a coating film provided so as to cover the plurality of substrate protruding portions; and

a coating film base portion, which is a part formed by the coating film on the substrate base portion, wherein

the outermost surface of the eyeglass lens having a plurality of convex portions and concave portions,

the substrate base portion and the coating film portion are a portion with a shape realising a power of a wearer's prescription,

more than 50% of all of the substrate protruding portions are identified as a substrate-protruding portion α,

the height of the substrate-protruding portion α is in a range between 0.5 and 2 μm,

the thickness of the coating film at the coating film base portion is in a range between 2.0 and 5.0 μm,

portions where the coating film is on the substrate-protruding portion α is a coating film convex portion α',

the thickness of the coating film at the coating film convex portion α' is in a range between 2.0 and 5.0 μm,

the smallest value of the thickness of the coating film at a base of the substrate-protruding portion α is in a range of 0.40 and 1.20 times of the film thickness of the coating film base portion,

on a cross-section of the lens that includes a center of the coating film convex portion α', (the smallest value of difference values expressed by (the largest value of the thickness of the coating film – the thickness of the coating film at a vertex of the coating film convex portion)) / (the largest value of difference values expressed by (the largest value of the thickness of the coating film – the thickness of the coating film at the vertex of the coating film convex portion)) is in a range of 0.10 and 0.60,

a refractive power of the substrate-protruding portion α is in a range between 2.50 D and 6.50 D, and

a defocus power of the coating film convex portion α' is in a range between 2.50 D and

6.50 D.