CLAIMS

1. A method of producing an ophthalmic lens having a component embedded in the ophthalmic lens, comprising the steps of:

(A1) mating a first male mold with a first female mold with a first ophthalmic lens material comprising monomer component injected therein, and subjecting the first ophthalmic lens material to a first copolymerization reaction to form a first layer of the ophthalmic lens on a concave forming surface of said first female mold, wherein said first male mold has a convex forming surface having a protrusion thereon conforming to the shape of the component within the ophthalmic lens, said first female mold has the concave forming surface corresponding to said first male mold, and the height of the protrusion is 100% to 150% of the thickness of the component to be embedded;

(B1) separating said first male mold from said first female mold, placing said component in a recess in said first layer of the ophthalmic lens that corresponds to said protrusion, and injecting a second ophthalmic lens material comprising monomer component onto the concave forming surface of said first female mold;

(C1) mating a second male mold with said first female mold with said second ophthalmic lens material injected therein, said second male mold having a convex forming surface corresponding to said first female mold, and subjecting said second ophthalmic lens material to a second

copolymerization reaction to form a second layer of the ophthalmic lens over the concave forming surface of said first female mold; and

(D1) separating said second male mold from said first female mold to obtain the ophthalmic lens having said component to be embedded between said second layer and the first layer.

2. A method of producing an ophthalmic lens having a component embedded in the ophthalmic lens, comprising the steps of:

(A2) mating a third male mold with a second female mold with a third ophthalmic lens material comprising monomer component injected therein, and subjecting the third ophthalmic lens material to a first copolymerization reaction to form a first layer of the ophthalmic lens on a convex forming surface of said third male mold, wherein said second female mold has a concave forming surface having a protrusion thereon conforming to the shape of the component within the ophthalmic lens, said third male mold has the convex forming surface corresponding to said second female mold, and the height of the protrusion is 100% to 150% of the thickness of the component to be embedded;

(B2) separating said second female mold from said third male mold, placing said component in a recess in said first layer of the ophthalmic lens corresponding to said protrusion, and injecting a fourth ophthalmic lens material comprising monomer component onto a concave forming surface of a third female mold that

corresponds to said third male mold;

(C2) mating said third male mold with said third female mold with the fourth ophthalmic lens material injected therein, and subjecting said fourth ophthalmic lens material to a second copolymerization reaction to form a second layer of the ophthalmic lens on said first layer of the ophthalmic lens on the convex forming surface of said third male mold; and

(D2) separating said third male mold from said third female mold to obtain the ophthalmic lens with said component to be embedded between said second layer and said first layer.

3. The method of producing an ophthalmic lens having a component embedded in the ophthalmic lens according to claim 1 or 2,wherein a ratio of a thickness of said first layer at its center to a thickness of said second layer at its center is in the range of 1:0.1 to 1:25.

4. The method of producing an ophthalmic lens having a component embedded in the ophthalmic lens according to any one of claim 1 to 3, wherein said first layer and said second layer are formed of the same material.

5. The method of producing an ophthalmic lens having a component embedded in the ophthalmic lens according

to any one of claim 1 to 3, wherein said first layer and said second layer are formed of different materials.