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However, the haptic system **14** can also be constructed in the standard manner in the form of threads, as represented in FIG. **16**. In FIGS. **7** and **8**, the schematically represented ability of the lens part **4** to move in the artificial capsule bag **12** is guaranteed because of the elasticity of the thread **14**.

I claim:

1. An intraocular lens including a device for accommodation, for implanting in an eye, comprising:

an artificial bag which prevents shrinkage of a natural capsule bag of the eye for implanting in the natural capsule bag of the eye;

a lens part suspended in the artificial bag by a haptic system, the lens part being movably guided along its optical axis by elasticity of the haptic system;

wherein when the optical axis of the lens part is slanted downward from a horizontal level, the haptic system is elastically expanded and the lens part is shifted by force of gravity along the optical axis to increase the refractive index of the intraocular lens and when the optical axis is again in a horizontal position the lens part is moved back to an initial position thereof by the elasticity of the haptic system.

2. Intraocular lens according to claim **1**, wherein the lens part (**4**) is held by means of an elastic haptic system (**14**) in the artificial capsule bag (**12**).

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3. Intraocular lens according to claim **1**, wherein the artificial capsule bag (**12**) has a posterior wall part (**15**) by means of which a backside of the natural capsule bag can be supported at least partially.

4. Intraocular lens according to claim **3**, wherein the artificial capsule bag (**12**) comprises a frontal capsule part (**16,17,18**) adapted for spacing a frontal natural capsule part away from the backside of the natural capsule bag.

5. Intraocular lens according to claim **4**, wherein the frontal capsule part (**16,17**) is constructed in several parts.

6. Intraocular lens according to claim **4**, wherein the frontal capsule part (**18**) is constructed as a ring.

7. Intraocular lens according to claim **1**, wherein the artificial capsule bag (**12**) has a standard refractive index.

8. Intraocular lens according to claim **7**, wherein the standard refractive index of the artificial capsule bag (**12**) is formed by an additional lens part (**13**) which is rigidly connected to the artificial capsule bag (**12**).

9. Intraocular lens according to claim **1**, wherein the lens part (**4**) comprises a material which has a higher specific gravity than aqueous humor.

10. Intraocular lens according to claim **1**, wherein the artificial capsule bag (**12**) is constructed in a foldable way.

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