CLAIMS

1. A glass for a magnetic recording medium substrate or for a glass spacer for a magnetic recording/reproducing apparatus,

wherein ~~the total content of Li_2O, Na_2O, K_2O, B_2O_3, and ZnO (Li_2O + Na_2O + K_2O + B_2O_3 + ZnO) is in a range of 0 mol% or more and 3 mol% or less,~~

~~a~~ a mole ratio of the total content of Al_2O_3 and MgO relative to the total content of SiO_2 and CaO [(Al_2O_3 + MgO) / (SiO_2 + CaO)] is in a range of 0.417~~0.30~~ or more and 0.6 or less,

the total content of SiO_2 and Al_2O_3 (SiO_2 + Al_2O_3) is in a range of 64 mol% or more and 85 mol% or less, ~~and~~

the total content of SiO_2, Al_2O_3, MgO, and CaO (SiO_2 + Al_2O_3 + MgO + CaO) is in a range of 87 mol% or more and 98 mol% or less, and

the total content of TiO_2 and ZrO_2 (TiO_2 + ZrO_2) is 0.5 mol% or more.

2. ~~A~~ The glass according to claim 1~~for a magnetic recording medium substrate or for a glass spacer for a magnetic recording/reproducing apparatus~~,

wherein ~~a mole ratio of the total content of Al_2O_3 and MgO relative to the total content of SiO_2 and CaO [(Al_2O_3 + MgO) / (SiO_2 + CaO)] is in a range of 0.30 or more and 0.6 or less,~~

~~the total content of SiO_2 and Al_2O_3 (SiO_2 + Al_2O_3) is in a range of 64 mol% or more and 85 mol% or less,~~

~~the total content of SiO_2, Al_2O_3, MgO, and CaO (SiO_2 + Al_2O_3 + MgO + CaO) is in a range of 87 mol% or more and 98 mol% or less, and~~

~~the~~ the glass has a glass transition temperature of 740°C or more.

3. The glass according to claim 1 or 2,

wherein the SiO_2 content is in a range of 55 mol% or more and 66 mol% or less.

4. The glass according to any one of claims 1 to 3,

wherein the Al_2O_3 content is in a range of 10 mol% or more and 18 mol% or less.

5. The glass according to any one of claims 1 to 4,

wherein the MgO content is in a range of 8 mol% or more and 20 mol% or less.

6. The glass according to any one of claims 1 to 5,
wherein the CaO content is in a range of 0 mol% or more and 7 mol% or less.

7. The glass according to any one of claims 1 to 6,
wherein a mole ratio of the CaO content relative to the total content of MgO, CaO, SrO, and BaO [CaO / (MgO + CaO + SrO + BaO)] is 0.4 or less.

8. The glass according to any one of claims 1 to 7,
wherein the glass has a Young's modulus of 86 GPa or more.

9. The glass according to any one of claims 1 to 8,
wherein the glass has a specific gravity of 2.8 or less.

10. The glass according to any one of claims 1 to 9,
wherein the glass has a specific elastic modulus of 30 MNm/kg or more.

11. A magnetic recording medium substrate comprised of the glass according to any one of claims 1 to 10.

12. A magnetic recording medium comprising:
the magnetic recording medium substrate according to claim 11; and
a magnetic recording layer.

13. A glass spacer for a magnetic recording/reproducing apparatus comprised of the glass according to any one of claims 1 to 10.

14. A magnetic recording/reproducing apparatus comprising one or more selected from the group consisting of
the magnetic recording medium according to claim 12, and
the glass spacer for a magnetic recording/reproducing apparatus according to claim 13.