CLAIMS

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

wherein

the glass comprises MgO,

the SiO_2 content is 55 mol% or more,

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

the CaO content is in a range of 0 mol% or more and 7 mol% or less,

the Li_2O content is in a range of 0 mol% or more and 2 mol% or less,

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 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 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 total content of TiO_2 and ZrO_2 ($TiO_2 + ZrO_2$) is 0.5 mol% or more and 3 mol% or less.

2. The glass according to claim 1,

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

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

wherein the CaO content is in a range of 0 mol% or more and 7 mol%

or less.

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

7. The glass according to any one of claims 1 to 6,
wherein the glass has a Young's modulus of 86 GPa or more.

8. The glass according to any one of claims 1 to 7,
wherein the glass has a specific gravity of 2.8 or less.

9. The glass according to any one of claims 1 to 8,
wherein the glass has a specific elastic modulus of 30 MNm/kg or more.

10. A magnetic recording medium substrate comprised of the glass according to any one of claims 1 to 9.

11. A magnetic recording medium comprising:
the magnetic recording medium substrate according to claim 10; and
a magnetic recording layer.

12. A glass spacer for a magnetic recording/reproducing apparatus comprised of the glass according to any one of claims 1 to 9.

13. A magnetic recording/reproducing apparatus comprising one or more selected from the group consisting of
the magnetic recording medium according to claim 11, and
the glass spacer for a magnetic recording/reproducing apparatus according to claim 12.