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(54) **CERAMIC MATERIAL AND SPUTTERING TARGET MEMBER**

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(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A ceramic material of the present invention contains magnesium, zirconium, lithium, and oxygen as main components. The crystal phase of a solid solution obtained by dissolving zirconium oxide and lithium oxide in magnesium oxide is a main phase. The XRD peak of a (200) plane of the solid solution with CuK α rays preferably appears at $2\theta=42.89^\circ$ or less which is smaller than an angle at which a peak of a cubic crystal of magnesium oxide appears. The XRD peak more preferably appears at $2\theta=42.38^\circ$ to 42.89° and further preferably at $2\theta=42.82^\circ$ to 42.89° . In the ceramic material, the molar ratio Li/Zr of Li to Zr is preferably in the range of 1.96 or more and 2.33 or less.

15 Claims, 5 Drawing Sheets

