

### Abstract

#### Glass-ceramics

There are provided glass-ceramics containing, as a predominant crystal phase or phases, at least one selected from the group consisting of  $\alpha$ -cristobalite,  $\alpha$ -cristobalite solid solution,  $\alpha$ -quartz and  $\alpha$ -quartz solid solution, containing substantially no lithium disilicate ( $\text{Li}_2\text{O} \cdot 2\text{SiO}_2$ ), lithium silicate ( $\text{Li}_2\text{O} \cdot \text{SiO}_2$ ),  $\beta$ -spodumene,  $\beta$ -eucryptite,  $\beta$ -quartz, mica or fluorrichterite, containing substantially no Cr ingredient or Mn ingredient, and having average linear thermal expansion coefficient within a range from  $+65 \times 10^{-7}/^\circ\text{C}$  to  $+140 \times 10^{-7}/^\circ\text{C}$  within a temperature range from  $-50^\circ\text{C}$  to  $+70^\circ\text{C}$ , said predominant crystal phase or phases having an average crystal grain diameter of less than  $0.10\mu\text{m}$ . The glass-ceramics are suitable for use as a substrate for an information storage medium and also for use as a substrate for a light filter.