

PROCESS FOR PREPARATION OF CRYSTALLIZED GLASS FOR
INFORMATION RECORDING DISK

ABSTRACT OF THE DISCLOSURE

Disclosed is a process for preparation of crystallized glass obtained by making a glass containing TiO_2 , subjected to a phase separation step and a crystallization step, where the
5 phase separation step has heat treatment of the glass at a temperature in a range from a temperature of the glass transition temperature T_g ($T_g - 30^\circ\text{C}$) to a temperature 60°C higher than the glass transition temperature T_g ($T_g + 60^\circ\text{C}$). There are also disclosed a crystallized glass for information recording
10 disk composed of the crystallized glass obtained by the preparation process, where a mean particle size of the crystal particles is in a range of equal to or less than 100 nm, or where a transparency at a wavelength of 600 nm is 40 % or higher; and an information recording disk, composed of the glass, having
15 a polished surface with a surface roughness R_a (JIS B0601) in a range from 0.1 to 0.5 nm.

