

**METHOD FOR PRODUCING GLASS SUBSTRATE FOR MAGNETIC
DISK, AND MAGNETIC DISK**

ABSTRACT

A method for producing a glass substrate for a magnetic disk by polishing a circular glass plate, which comprises a step of polishing the principal plane of the circular glass plate by using a slurry containing a CeO_2 crystal powder, the CeO_2 crystal powder being obtained in such a manner that a melt containing CeO_2 is quenched to obtain an amorphous material, and the amorphous material is subjected to heat treatment to obtain a CeO_2 crystals-precipitated amorphous material, which is subjected to acid treatment to separate and extract the CeO_2 crystal powder from the CeO_2 crystals-precipitated amorphous material.

Fig. 1