METHOD FOR MANUFACTURING GLASS SPACER, GLASS SPACER, AND HARD DISK DRIVE DEVICE

ABSTRACT

A method for manufacturing a ring-shaped glass spacer to be arranged in contact with a magnetic disk in a hard disk drive device includes processing for forming a film on the surface of a glass spacer main body, which is the base of the glass spacer. In the processing, the film is formed by passing the glass spacer main body through a location where the components of the film are in a spray state while an outer circumferential edge surface of the glass spacer main body is being rotated in a circumferential direction thereof. As a result, it is possible to obtain a glass spacer whose entire surface is covered by a conductive film that contains tin oxide, zinc oxide, or titanium oxide. Also, it is possible to obtain a glass spacer in which the thickness of the film on the edge surfaces of the glass spacer is larger than the thickness of the film on the main surfaces of the glass spacer.

Fig. 4