GLASS SUBSTRATE, MAGNETIC RECORDING MEDIUM AND METHOD OF MANUFACTURING THE MAGNETIC RECORDING MEDIUM

ABSTRACT

For use in a magnetic recording medium, a glass substrate (1) has a pair of principal surfaces (3) opposite to each other and a peripheral side area (2) contiguous to the principal surfaces (3). The peripheral side area (2) has a side end wall (A) and intermediate regions (B, C) between the side end wall (A) and the principal surfaces (3). At lease one of the intermediate regions (B, C) and the side end wall (A) is formed by a mirror finished surface which has a surface roughness Ra not greater than 1 μm or a surface roughness Rmax not greater than 4 μm. With this structure, no particles are generated from the peripheral side area (2) because the side end surface of the glass substrate (1) is mirror finished. Consequently, reproduction is performed without reproduction errors because of no generation of a thermal asperity and a head crash can be sufficiently avoided because of no projections which might result from the particles.

Fig. 1

This Sheet Has Been Replaced

