GLASS SUBSTRATE FOR AN INFORMATION RECORDING MEDIUM, METHOD FOR MANUFACTURING A GLASS SUBSTRATE FOR AN INFORMATION RECORDING MEDIUM, AND AN INFORMATION RECORDING MEDIUM

ABSTRACT

Provided are a glass substrate for an information recording medium, which has both high strength and high flatness and can be manufactured at low cost, a method for manufacturing such glass substrate and an information recording medium using such glass substrate. The glass substrate for the information recording medium satisfies inequalities of $0.1 \leq (W1-W3)/W2 \leq 5$, where, W1 is an ion concentration at the center portion in the thickness direction of the glass substrate in a chemically reinforced region at the outer circumference end surface and the inner circumference end surface of the glass substrate and is the maximum value of K^+ ion concentration, W2 is a Na^+ ion concentration at a position where the K^+ ion concentration is maximum, and W3 is a K^+ ion concentration in a glass substrate region not chemically reinforced.