MAGNETIC RECORDING MEDIUM

Abstract

A magnetic recording medium includes a substrate 1 and a magnetic layer 2 formed on the substrate 1. The magnetic layer 2 consists of a mixture of a magnetic alloy and a non-magnetic compound. The magnetic alloy is Co-based, Fe-based, or CoFe-based, and the non-magnetic compound is selected from a group consisting of oxides and nitrides. The volume percentage of the non-magnetic compound in the entire volume of the mixed magnetic alloy and non-magnetic compound is preferably between about 2% and about 30%. The magnetic recording disk is suitable for longitudinal recording, with low medium noise and high coercivity.

This Sheet Has Been Replaced

