

ABSTRACT

MAGNETIC RECORDING MEDIUM AND MANUFACTURING METHOD THEREOF

In a magnetic recording medium successively laminated with at least a magnetic film, protective film, and lubricating layer on a non-magnetic substrate, 90% or more of the area of the lubricating layer is not chemically adsorbed to the protective film, and the lubricating layer is an average of one molecule or less in thickness. Fluorine termination of the protective-film surface prevents the chemical adsorption of lubricant, preventing the formation of a bonded lubricating layer and leaving behind a mobile lubricating layer of approximately one molecule in thickness that is not spun off. This is believed to be due to the fact that the protective-film surface and the lubricant both consist of carbon fluoride. Therefore, such a configuration is effective in preventing the spinoff phenomenon and reducing the thickness of the lubricating layer.

SELECTED DRAWING None