

ABSTRACT OF THE DISCLOSURE

SEMI-REFLECTIVE FILM AND REFLECTIVE FILM FOR OPTICAL INFORMATION RECORDING MEDIUM, OPTICAL INFORMATION RECORDING MEDIUM, AND SPUTTERING TARGET

Each of a semi-reflective film or reflective film for an optical information recording medium, and a Ag based alloy sputtering target includes a Ag based alloy containing 0.01 to 10 atomic percent of Li. The Ag based alloy exhibits high cohesion resistance, high light resistance, high heat resistance, high reflectivity, high transmissivity, low absorptivity, and high thermal conductivity of the level which had not been realized by the pure Ag or by the conventional Ag alloys. The resulting semi-reflective film and reflective film for an optical information recording medium containing the Ag based alloy exhibit excellent writing/reading properties and long term reliability. The sputtering target for an optical information recording medium is used in depositing the semi-reflective film and the reflective film. Using the semi-reflective film and/or the reflective film, an optical information recording medium is manufactured.