OPTICAL RECORDING MEDIUM, AND METHOD OF MANUFACTURING SAME

ABSTRACT OF THE DISCLOSURE

A phase-change optical disc has a recording layer formed from a phase-change material switchable between a crystalline state and an amorphous state, and in which a light is focused onto the recording layer to change the phase thereof from crystalline to amorphous, thereby writing information signal onto the recording layer, wherein the phase-change material contains a GeSbTe alloy, and the recording layer is formed by sputtering in an Ar gas atmosphere containing at least either N_2 or O_2 gas. The optical recording medium is further improved in durability against repeated recording and adapted to always keep a stable and good write/read characteristic even after repetitions of signal recording.

Figure 1