MULTI-LAYER OPTICAL DISK

ABSTRACT OF THE DISCLOSURE

The present invention provides a multi-layer optical disk, in which even if a wave length of read light is changed at a time of reproducing, both of reproduction signals from a first information memory layer and a second information memory layer have sufficient levels.

In a multi-layer optical disk, in which a first information memory layer and a second information memory layer are sequentially film-formed on a substrate and information recorded on the first information memory layer and the second information memory layer are reproduced by irradiating read light from a substrate side,

the first information memory layer and the second information memory layer can be reproduced by a first read light and a second read light which is shorter in wave length than this first read light, and

the first information memory layer is made of material in which a refractive index n and an extinction coefficient k in a wave length area of the first read light comply with the following conditions:

$0 \leq k \leq 0.25$

$n = \alpha - k + 2.8$

(where α is a constant and $0.15 \leq \alpha \leq 0.45$)

Figure 2,3.