ABSTRACT

OPTICAL INFORMATION RECORDING MEDIUM

An optical information recording medium provided on a substrate with a recording layer including a dye layer; wherein the dye layer contains a cyanine dye; and the recording layer enables a recording and reproducing to be effected with a laser beam having a wavelength falling within a range of 620nm to 690nm; a refractive index "n" of the recording layer being in a range of 1.6 to 4.0 and an extinction coefficient "k" of the a recording layer being in a range of 0.01 to 0.45 when the laser beam having the wavelength is applied thereto; and the recording layer exhibiting a maximum absorption peak wavelength and a second largest absorption peak wavelength falling within a range of 500nm to 655nm as measured by means of a visible ultraviolet spectrometer. The dye may be a trimethine-base cyanine dye.

Figure: None