

Optical Pickup Device, Recorder And/Or Reproducer

ABSTRACT OF THE DISCLOSURE

The present invention provides an optical pickup device which realizes an optical system having an optical magnification suitable for each disc format between three optical discs and a light emitting means for emitting a laser beam having a wavelength corresponding to each disc in the optical system of the optical pickup for recording and/or reproducing an information signal to the optical discs and which prevents the number of components from being increased to simplify the composition of the optical system, thereby preventing the length of an optical path from being lengthened, the optical pickup from being increased in size. The optical pickup device has a first light emitting unit for emitting a laser beam having a first wavelength and a laser beam having a second wavelength, a second light emitting unit for emitting a laser beam having a third wavelength, a first collimator lens for transmitting the laser beam having the first wavelength and the laser beam having the second wavelength, a second collimator lens for transmitting the laser beam having the third wavelength, a first objective lens for transmitting the laser beam having the first wavelength transmitted through the first collimating lens or the laser beam having the third wavelength transmitted through the second collimator lens, and a second objective lens for transmitting the laser beam having the second wavelength transmitted through the first collimator lens.

Fig. 2