

ABSTRACT OF THE DISCLOSURE

OPTICAL PICKUP DEVICE, OPTICAL INFORMATION RECORDING AND
REPRODUCING APPARATUS AND OBJECTIVE LENS

An optical pickup device comprises a light source to emit a light flux having wavelength λ ; an objective lens including at least two plastic lenses of a first plastic lens having positive refractive power and a second plastic lens having positive refractive power, wherein the first plastic lens and the second plastic lens are arranged in this order from the light source side; and an actuator to drive the objective lens; wherein the objective lens satisfies the following expression (1-1):

$$-0.0004 < \Delta 3SA / (NA^4 \cdot f \cdot (1 - m)) < 0.0004 \quad (1-1)$$

where $\Delta 3SA$ (λ RMS) represents a rate of change of a third order spherical aberration of the objective lens when the temperature of an entire body of the objective lens uniformly changes, f (mm) represents the focal length of the objective lens for the light flux having wavelength λ , and m represents the magnification of the objective lens.