

ABSTRACT

OPTICAL PICK-UP SYSTEM, OPTICAL PICK-UP DEVICE, AND OPTICAL
INFORMATION RECORDING AND/OR REPRODUCING APPARATUS

An optical pick-up system comprising: a first light source for projecting a first light flux having a wavelength of not more than 450 nm; a second light source for projecting a second light flux having a wavelength within a range of 630 nm to 680 nm; an objective optical system for converging the first light flux on a first optical disk, and for converging a second light flux on a second optical disk, and having at least a plastic lens having a positive refractive power, and wherein a ratio $\Delta SA/\Delta T$ of a change of a spherical aberration to a temperature change satisfies the following expression (1); and an aberration correction optical system arranged in an optical path between the first light source and the objective optical system, and having a plastic lens having a positive refractive power and a glass lens.

$$\Delta SA/\Delta T > 0$$

(1)

(Figure 1)