

**INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING
METHOD, AND PROGRAM**

Abstract

The present invention provides an information processing device, having a power generating element for converting light into power, for performing processing responsive to an environment in which a wavelength of illuminating light changes.. The device includes a plurality of power generating elements whose power generating efficiencies are deflected with respect to light having different predetermined wavelengths, respectively; a plurality of voltage detecting sections for detecting voltages of power generated by the plurality of power generating elements, respectively; a determining section for determining any of the plurality of power generating elements, whose power generating efficiency is different relative to the others on the basis of the respective detected voltages of the plurality of power generating elements, to determine a surrounding environment on the basis of a determination result; and a processing section for performing processing responsive to the determined surrounding environment.

Figure 2