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(54) **PHOTOCONVERSION DEVICE AND ILLUMINATION SYSTEM**

(71) Applicant: **KYOCERA Corporation**, Kyoto-shi, Kyoto (JP)

(72) Inventors: **Noritaka NIINO**, Souraku-gun (JP); **Tomoyoshi AKASHI**, Nara-shi (JP)

(73) Assignee: **KYOCERA Corporation**, Kyoto-shi, Kyoto (JP)

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(57) **ABSTRACT**

A photoconversion device includes a wavelength converter including a plurality of phosphor areas, a drive, and a controller. The plurality of phosphor areas includes a first phosphor area to emit fluorescence with a first wavelength spectrum in response to excitation light and a second phosphor area to emit fluorescence with a second wavelength spectrum different from the first wavelength spectrum in response to the excitation light. The drive changes an illuminating area to receive the excitation light in the plurality of phosphor areas. The controller drives the drive to change the illuminating area in the plurality of phosphor areas and stop driving the drive to define the illuminating area in the plurality of phosphor areas.