ABSTRACT

A wavelength-converting resin composition for a photovoltaic cell, comprising: a fluorescent substance having a maximum absorption wavelength in an absorbance spectrum of which being λ_{max} (nm); resin particles; and a dispersion medium resin,

wherein a value of A_1 (λ), which is represented by the following Equation 1, at the maximum absorption wavelength λ_{max} (nm) is 3.0×10^{-4} (O. D. /μm) or less in a case in which:

an intensity of transmitted light that is obtained as a result of incident light having a light intensity of I_0 (λ) at a wavelength λ (nm) having passed through a resin film in a thickness direction of the resin film, the resin film being formed from the resin composition and having a thickness of t (μm), is defined as I (λ); and

an intensity of transmitted light that is obtained as a result of the incident light having passed through a reference resin film in a thickness direction of the reference resin film, the reference resin film being formed from a reference resin composition obtained by excluding the fluorescent substance and the resin particles from the resin composition, and having a thickness of t_{ref} (μm), is defined as I_{ref} (λ).

Equation 1: $$A_1(\lambda) = \{\log(I_0(\lambda)/I(\lambda))\}/t - \log\{(I_0(\lambda)/I_{ref}(\lambda))\}/t_{ref}$$