

Title (en)

METHOD FOR DETERMINING CHARACTERISTICS OF A PHOTOCOMVERTER WITHOUT CONTACT

Title (de)

VERFAHREN ZUR BESTIMMUNG DER EIGENSCHAFTEN EINES PHOTOUMWANDLER OHNE KONTAKT

Title (fr)

METHODE DE DETERMINATION SANS CONTACT DE CARACTERISTIQUES D'UN PHOTOCOMVERTISSEUR

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Application

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Abstract (en)

[origin: WO2011095752A1] The invention relates to a method for determining the maximum open circuit voltage (V_{co}) and the power that can be output by a photocomverter material subject to a measurement light intensity I_0 , the method including the following steps: measuring the photoluminescent intensity of the material, measuring the absorption rate of the photocomverter material at a second wavelength (λ_2) substantially equal to the photoluminescent wavelength of the photocomverter material, determining the maximum open circuit voltage (V_{co}) of the photocomverter material with the measurement light intensity I_0 by means of the absorption rate and the photoluminescent intensity measured at substantially the same wavelength; said invention being characterised in that the light source and the photocomverter material are arranged such that the angular distributions of the rays incident on and emitted by the lit surface of the material and collected by the detector are substantially identical.

IPC 8 full level

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