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**(54) Title (EN):** OPTICAL GLASS AND NEAR-INFRARED CUT FILTER

**(54) Title (FR):** VERRE OPTIQUE ET FILTRE COUPE-RAYONS DANS LE PROCHE INFRAROUGE

**(54) Title (JA):** 光学ガラスおよび近赤外線カットフィルタ

**(57) Abstract:**

**(EN):** The present invention provides an optical glass and a near-infrared cut filter that reliably cut near-ultraviolet rays and have a high transmittance of light in the visible range (in particular, blue light). This optical glass absorbs infrared and ultraviolet rays, and is characterized in that an approximate straight line that represents the relationship between wavelength and transmittance and that is calculated in a wavelength range between 3 nm lower and 3 nm higher than a wavelength at which light transmittance is 50% in a wavelength band of 300-450 nm, has an inclination of 3 or more.

**(FR):** La présente invention concerne un verre optique et un filtre coupe-rayons dans le proche infrarouge qui coupent de manière fiable des rayons ultraviolets proches et qui présentent une transmittance élevée de la lumière dans la plage visible (en particulier, la lumière bleue). Ce verre optique absorbe les rayons infrarouges et ultraviolets, et est caractérisé en ce qu'une ligne droite approximative, qui représente la relation entre la longueur d'onde et la transmittance et qui est calculée dans une plage de longueurs d'onde comprise entre 3 nm inférieur et 3 nm supérieur à une longueur d'onde à laquelle la transmittance de lumière est de 50 % dans une bande de longueur d'onde de 300 à 450 nm, a une inclinaison d'au moins 3.

**(JA):** 近紫外線を確実にカットし、かつ可視領域の光(特に青色光)の透過率の高い光学ガラスおよび近赤外線カットフィルタの提供。赤外線および紫外線を吸収する光学ガラスであって、光学ガラスは、300nm～450nmの波長帯域で光の透過率が50%となる波長の前後3nmの波長の範囲で算出される、波長と透過率との近似直線の傾きが3以上であることを特徴とする。

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