

OPTICAL BODY, WINDOW MEMBER, FITTING, AND SOLAR SHADING
DEVICE

ABSTRACT OF THE DISCLOSURE

An optical body includes a first optical layer having a concave-convex surface, a wavelength-selective reflecting layer formed on the concave-convex surface, and a second optical layer formed on the wavelength-selective reflecting layer to embed the concave-convex surface, the wavelength-selective reflecting layer having a multilayer structure formed by successively stacking at least a first high refractive index layer, a metal layer, and a second high refractive index layer, wherein, given that optical film thicknesses of the first high refractive index layer and the second high refractive index layer are x and y, respectively, and a geometrical film thickness of the metal layer is z, x, y and z satisfy the following formula (1):

$$z \leq 12.1 \exp \left\{ -\frac{1}{2} \left(\frac{x-120}{145.17} \right)^2 - \frac{1}{2} \left(\frac{y-120}{123.14} \right)^2 \right\} \dots (1)$$

Fig. 1A