

MID-INFRARED LENS AND MANUFACTURING METHOD THEREOF

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ABSTRACT

The present invention relates to a manufacturing method for a mid-infrared lens 2, which includes the following steps: placing a lens 1 in the path of a far-infrared radiation source, enabling the lens 1 to receive the far infrared rays; immersing the lens 1 in a hardening liquid, causing the hardening liquid to coat the lens 1, wherein the hardening liquid is an intermixture of silicone and isopropanol or an intermixture of silicone and methanol, and a far-infrared material or a far-infrared composite material is additionally added to the hardening liquid; placing the lens coated with the hardening liquid in a drying space to dry, causing the hardening liquid to dry and harden and form a hardened layer 5 on the surface of the lens. The temperature of the drying space lies between 80 to 120°C, and the drying time lies between 1 to 10 hours.

Figure 2