

ABSTRACT

A solid immersion lens unit includes a solid immersion lens and a holder for swingably holding the solid immersion lens. The solid immersion lens includes a first lens portion formed of a first material, and
5 a second lens portion formed of a second material having a refractive index smaller than a refractive index of the first material and coupled to the first lens portion. The first lens portion includes a contact surface for contacting with an observation object and a convex first spherical surface. The second lens portion includes a concave second spherical
10 surface facing the first spherical surface and a convex third spherical surface to be disposed to face an objective lens. The holder has a contact portion configured to be contactable with the third spherical surface.

FIG. 6