

**ABSTRACT**  
**GRINDING APPARATUS**

A grinding apparatus includes a table that holds a workpiece, and a grinding unit including a grinding wheel mounted to a spindle. The grinding wheel has a grindstone formed by binding abrasive grains with a bonding agent. In addition, the grinding apparatus further includes: a grinding water supply unit that supplies grinding water to at least the grindstone when grinding the workpiece; a light applying unit that is disposed adjacent to the table and that applies light to a grinding surface of the grindstone grinding the workpiece held by the table; and a light applying unit moving section by which the light applying unit can be positioned at a first position on a rotational trajectory of the grinding wheel mounted to the spindle in the case where the grinding wheel has a first diameter and a second position on a rotational trajectory of the grinding wheel in the case where the grinding wheel has a second diameter.

(Figure 7A)