

Abstract of the Disclosure

WORKING METHOD FOR CURVED SURFACE OF A WORK
AND AN APPARATUS THEREOF

The first driving shaft 2 is provided with the electric supply equipment 8 such as the metal brush. The second driving shaft 3 is as well too. Further, a nozzle 10 for supplying the conductive coolant is supplied to the grinding portion between the grinding surface 1a and the surface Wa to be ground is provided. When grinding is carried out, the conductive coolant is supplied from the nozzle 10 and by turning on the electricity to the first driving shaft 2 and the second driving shaft 3, a voltage is applied between the grinding surface 1a and the surface Wa to be ground of the work W. Due to electrolysis of that instance, the conductive material of the surface of the grindstone is dissolved in the conductive coolant, simultaneously the clogging of the grinding surface 1a is solved. Accordingly, a super ball finishing using a grindstone of the quite high grain size becomes possible.

Representative drawing: Fig. 1