

CREEP FEED GRINDING APPARATUS

ABSTRACT

A creep feed grinding apparatus includes a chuck table, a grinding unit having a spindle and a grinding wheel mounted on a lower end of the spindle, the grinding wheel including a plurality of grindstones disposed in an annular array on a surface of an annular base, the grindstones following an annular track upon rotation of the spindle, a moving mechanism for moving the chuck table and the grinding unit relative to each other along a predetermined direction perpendicular to the longitudinal axis of the spindle, and a bottom surface state adjusting mechanism for adjusting states of bottom surfaces of the grindstones by cleaning and/or correcting the bottom surfaces of the grindstones. The bottom surface state adjusting mechanism is positioned outside of a relative movement area of the chuck table in which the chuck table and the grinding unit are moved relative to each other by the moving mechanism.

[FIG. 1]