

CARRIER APPARATUS OF THIN DISK-SHAPED WORKPIECE, METHOD OF MANUFACTURING THE SAME, AND BOTH-SIDE GRINDING MACHINE

ABSTRACT OF THE DISCLOSURE

A carrier apparatus simple and inexpensive in structure, and capable of assuring machining at high efficiency and high precision, in machining of a surface of a thin disk-shaped workpiece. In an apparatus for grinding the surface of a workpiece while supporting and rotating a thin disk-shaped workpiece, the carrier apparatus constitutes a workpiece rotation supporting device for rotating and driving while positioning and supporting the circular outer circumference of the workpiece, and comprises an annular carrier main body having a circular inner peripheral edge surrounding closely the whole circumference of the workpiece, and a notch trigger having a pointed end engaging part to be engaged with a notch in the workpiece, being formed as an integral piece, in which the notch trigger is a separate part from the carrier main body, so as to be exchangeable and joined and fixed integrally, and the pointed end engaging part has a mounting structure of projecting inward in a radial direction from a part of the circular inner peripheral edge of the carrier main body.

Figure 1