DISK SUBSTRATE INTERMEDIATE PRODUCT AND MANUFACTURING PROCESS THEREOF

Abstract of the Disclosure

A working surface plate 2 is formed by solidifying abrasive grains which has specific grain size, and arranged in such a manner that the center of rotation P of the work surface plate 6 is on the circumference of the working surface plate 2. Then, grinding process is performed by relatively sliding the working surface plate 2 and the work surface plate 6 so that loci of contact area 20 of the working surface plate 2 to a disk substrate material 30 on the work surface plate 6 are uniform. It is provided an intermediate product of a disk substrate enabling to produce a disk substrate comprising inorganic material such as glass, which has highly accurate flatness and surface roughness, is free from surface defect such as pits, and can be manufactured at a low cost, and a process of manufacturing thereof.

FIGURE 1