

DISK CHANGER/PLAYER WITH DISK-EDGE GUIDE AND TRANSFER MECHANISM

ABSTRACT

A disk changer employs two disk guides (1002, 1003) that support a disk by its edge. A first guide (1002) has a revolving belt that frictionally engages the disk edge to roll it on a second guide (1003). The edge fits into a channel of the second guide. The channel's access is defined by two opposing guiding surfaces. The channel's blind end has a resilient surface. Disks are inserted between the guides (1002, 1003) through an aperture guarded by a flap that opens outwardly and closes to prevent improper insertion of disks (D). The flap, urged by a spring, closes on the disk (D), riding along the back surface. A controller detects when the flap falls off the trailing portion to register position for position encoding. The shape of the resilient surface of the second disk guide (1003) corresponds to the position of the disk (D) along a line of transport. Three transport zones are defined.

Fig. 2

This Sheet Has Been Replaced

