

DISK TRANSPORTING DEVICE

ABSTRACT

A compact disk player/changer for compact disks (D) fits within the standard half-height disk drive form factor for computer peripherals. A disk (D), either a 5-¼ inch or 3-½ inch in size, is inserted through an aperture (1A) and supported, at opposite contact points on its edge, between laterally movable left and right-side disk guides (9, 11). The position of the disk (D) at insertion is accurately registered by the closing of a flap at the entrance of the front aperture (1A). The position of the belt (14) is detected by a rotational encoder on a pulley that supports one end of the belt (14). The disk size and registration position are used with belt position information to position the disk (D) accurately irrespective of the disk size.

Fig. 13