

DISK PLAYBACK DEVICE

ABSTRACT

A disk playback device holds a disk (D) in a playback position. A turntable (102) moves toward the disk (D) to a raised position where its support surface is adjacent a back of the disk (D). A spindle inserts through a center hole of the disk to align the disk with the turntable. A clamper (1009) is held above the disk (D) on a side of the disk opposite the turntable (102). The clamper (1009) is supported close enough to the disk (D) that when the turntable (102) is in the raised position, a magnet (105) in the turntable (102) exerts a substantial force on a piece of ferromagnetic material in the clamper (1009). When the clamper (1009) is released it clamps the disk (D) to the turntable (102). By bringing the clamper (1009) and turntable (102) to the disk (D) rather than moving the disk (D) toward one or the other, no space is required for the displacement of the disk (D) in a direction perpendicular to its surface.

Fig. 13