

TAPE LOADING MECHANISM OF RECORDING
AND REPRODUCING APPARATUS

ABSTRACT OF THE DISCLOSURE

A tape-loading mechanism of a magnetic recording and reproducing apparatus according to the present invention has a tape travel system in which a magnetic tape drawn out of a supply-side tape reel is helically wound around a drum along a lead thereof by tilted guides respectively provided on inlet and outlet sides of the drum and tape guides respectively provided on inlet and outlet sides thereof, passed via a capstan and wound around a takeup side tape reel. A vertical position of the lead of the drum is set equal to that of a lower edge of the tape in a state immediately before the magnetic tape is loaded onto the drum. The magnetic tape is twisted in the middle of the tape travel system in order to cancel difference in tension between upper and lower edges of the magnetic tape when the magnetic tape is loaded onto the drum.

Figure 2