

ABSTRACTA TAPE TENSIONING MECHANISM

A tensioning mechanism for use in tensioning a magnetic tape used in recording and playback apparatus employs a rotatably mounted fan shaped plate (119) with an arcuate toothed edge region (119a) drivably engaged with a drive gear wheel (118). A lever (122) carries a pin (123) which is located in a guide groove (121) in the fan-shaped plate (119). A pinch roller (129) is carried at one end of an L-shaped pinch lever (126) which is pivotably mounted and biased with a spring (133) to bring the roller (129) away from a capstan (130). The lever (122) is coupled to the other end of the pinch lever (126) with the aid of another spring (131) and an intermediate plate (124). As the gear wheel (118) is driven the fan-shaped plate (119) rotates to displace the pin (123) and the lever (122) and then the pinch lever (126) to urge the roller (129) against the capstan (130) and the roller (129) is then held by the other spring (131).

This Sheet Has Been Replaced

