



**TAPE CARTRIDGE HAVING ROTATION DETECTION UNIT
FOR DRIVE ROLL**

ABSTRACT

A tape cartridge employed for data backup for a personal computer or an office computer, known as a data cartridge, in which the state of rotation of a drive roll can be detected by an rpm detecting section provided on the drive roll in order to control the driving device with a view to reducing data error and preventing loss of storage capacity. As for constitution, a cover member 3 and a base plate 4 are combined to make up a main cartridge member 2 within which a pair of tape reels 8, 9 are accommodated. A magnetic tape 7 placed around the tape reels 8, 9 is run by a drive roll 13 the outer periphery of which is partially exposed via an opening 21 formed in the front surface of the cover member 3. A capstan roll 46 of a driving device 40 is in surface contact with the driving roll 13 for transmitting its rotation to the drive roll. A rpm detecting section 34 provided on the drive roll 13 is detected by a detecting section 35 provided on the cover member 3 for controlling and correcting any loss in rotation transmission caused by slip between the drive roll 13 and the capstan roll 46 by the driving device 40.