

ABSTRACTROTARY CYLINDER POWER FEEDING APPARATUS

The conductive member arranged on the outer peripheral surface of the columnar rotor rotating integrally with the rotary cylinder is separated into a plurality of conductive members so that the conductive member assembling work may be easy. Also, the rotation transmitting member fitted between the columnar rotor forming the rotary shaft of the above mentioned conductive member and the rotary driving member and the rotary shaft of the rotary cylinder are engaged with each other so that the rotary cylinder rotating operation may be securely transmitted to the columnar rotor. Further, as the rotor rotating integrally with the rotary cylinder is rotatably fitted to the supporting member, the conductive member is arranged on the outer peripheral surface of this rotor, the conductive connecting terminal connectable with the power generating part is arranged at one end of the supporting member and the conductive brush for feeding the voltage from the power source generating part to the electronic circuit through the above mentioned conductive member is arranged at the other end of the supporting member, by only fitting the supporting member to the chassis without using such means as lead wires and soldering, the power source voltage from the power generating part will be able to be fed to the electronic circuit within the rotary cylinder and the power feeding apparatus will be able to be very

easily fitted to the rotary cylinder.

Further, the center angle of one conductor of the plurality of conductors forming the conductive members is formed to be larger than the tape winding angle to the rotary cylinder, such connecting means as the lead wires and connectors are arranged near the magnetic heads and, in the rotating position wherein the magnetic head detects signals from the tape-like recording medium, the above mentioned plurality of conductors are arranged on the outer peripheral surface of the above mentioned columnar rotor so that the joint part between the above mentioned plurality of conductors may not contact the above mentioned conductive brush, the electric noise generated when the joint part between the conductors contacts the conductive brush may not influence the recorded and reproduced signals and the recording and reproducing quality in the recording and reproducing apparatus may be improved.