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(57) Abstract :

The present invention relates to an automatic retractable writing device for automatic retracting and extending pen tip comprising of a pressure sensor1 for sensing pressure applied by user's fingers, a microcontroller2 for receiving data send by the sensor 1, a motor 3 which is operated by the microcontroller2 for actuating a plunger4 in downward direction, plurality of springs1 for retaining position of the pen tip and a detachable battery6 attached with the pen body for providing power to the motor6. When user hold the pen body in hand, the pressure sensor1 sense the pressure applied by fingers of the user and send data to the microcontroller2 which operates the motor3 that actuates the plunger 4 in downward direction and push the refill out of the pen body for writing.

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