Magnet-Wire Wrapping Tool for Integrated Circuits

The problem:
To wrap magnet wire around integrated-circuit terminals uniformly and securely without damaging the insulative coating on the wire.

The solution:
A wire-dispensing tool which resembles a mechanical pencil.

How it's done:
The tool shown in the diagram carries a supply of magnet wire on a spool. The wire passes through the hollow pencil-like stem and then through a tip of small diameter. The tool is manipulated easily inasmuch as it fits in the hand like a pencil; the tip is readily made to execute wire-wrapping movements. The tightness of the wire wrap is controlled by tension on the wire; the tension is controlled by restricting the unwinding of the wire from the spool by means of friction controlled by a screw on the axle supporting the spool.

Note:
Requests for further information may be directed to:
Technology Utilization Officer
NASA Pasadena Office
4800 Oak Grove Drive
Pasadena, California 91103
Reference: TSP 72-10426

Patent status:
No patent action is contemplated by NASA.

Source: Ted H. Takahashi of Caltech/JPL
under contract to NASA Pasadena Office
(NPO-11815)