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ABSTRACT

POSTAGE METER WITH RECHARGEABLE PORTABLE CONTROL UNIT

A postage meter has a meter section powered by house current in normal operation, but which requires auxiliary power source batteries (30,31) while in transit. A circuit is provided which, in connection with a stored program, tests the auxiliary power source prior to the period away from the house current power, thus providing a warning if the auxiliary power is unlikely to sustain the device for the duration of the period away from house current power. The test circuit applies a test load (33) approximating the load of the meter section to be powered. A loop in the program of a CPU (70) determines the period of time during which the test load is applied to the batteries and then a voltage comparator (53) assures that the battery output voltage is sufficiently high in the range of usable voltage therefrom to assure successful operation of the postage meter section during resetting at the post office. A post office switch (36) for use by a postal worker can be closed only when a postal worker unlocks an associated lock. This delivers auxiliary power from the batteries to the meter electronics including the CPU. A routine detects this and causes the CPU to provide an output to a switching transistor that continues to supply the auxiliary power for the brief interval necessary for resetting.

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