

Title (en)
MAILING MACHINE INCLUDING PRINTING DRUM CONTROL SYSTEM

Publication
EP 0547922 A3 19950405 (EN)

Application
EP 92311664 A 19921221

Priority
• US 81025891 A 19911219
• US 81059791 A 19911219

Abstract (en)
[origin: EP0547922A2] A mailing machine base 12 has a postage meter 14 mounted thereon. The meter includes a postage printing drum 64 having a home position. The base comprising, structure for moving the drum, a d.c. motor 110 for driving the drum moving structure, a microprocessor 122, a power switch connected between the d.c. motor and microprocessor, a comparator 125 connected between the microprocessor and d.c. motor for receiving therefrom a signal corresponding to the back e.m.f. voltage of the d.c. motor and providing a comparison signal to the microprocessor. The microprocessor is programmed for: providing a reference voltage signal for the comparator corresponding to a desired back e.m.f. voltage for causing the d.c. motor to drive the postage printing drum at a desired constant velocity, energizing the power switch with a first signal for causing the d.c. motor to accelerate the drum at a substantially constant rate to substantially the desired constant velocity from the home position thereof during a first predetermined time interval, determining whether the back e.m.f. is greater than the reference voltage, energizing the power switch with the first signal for a second predetermined time interval if the back e.m.f. voltage is not greater than the reference voltage, and energizing the power switch with a second signal for a third predetermined time interval if the back e.m.f. voltage is greater than the reference voltage and delaying energizing with the second signal if the back e.m.f. voltage is not greater than the reference voltage, thereby causing the d.c. motor to continue driving the drum at substantially the desired constant velocity. <IMAGE>

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Citation (search report)
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