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Hewitt

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[54] **INTEGRATED VOLTAGE REGULATING CIRCUIT USEFUL IN HIGH VOLTAGE ELECTRONIC ENCODERS**

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[51] **Int. Cl.**[6] **G05F 1/00**

[52] **U.S. Cl.** **327/545**; 327/544; 327/546; 327/530

[58] **Field of Search** 327/544, 545, 327/546, 530; 364/707

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[57] **ABSTRACT**

According to the present invention, there is provided an integrated circuit useful in an electronic encoding device having a voltage source, a user interface and a transmitter. In one embodiment the integrated circuit includes a wake-up circuit which generates a signal responsive to an input received from the user interface; power switching logic which provides power from the voltage source to a non-regulated power bus and a voltage regulating circuit, the power switching logic being responsive to the signal from the wake-up circuit; a regulated power bus in communication with the voltage regulating circuit; non-volatile memory in communication with the regulated power bus; encoder logic in communication with the regulated power bus, the encoder logic having output logic which provides a signal to the transmitter.

4 Claims, 2 Drawing Sheets

