

ABSTRACT

The electronic circuit allows the control or regulation of the speed of rotation of a microgenerator (1) in a watch movement. It comprises
5 two inputs (G-, G+) connected to the microgenerator, a quartz oscillator (3, 4),
an energy-dissipation circuit for braking the microgenerator, energy-dissipation
control means (5, 6, 7, 30, 31) for controlling the energy dissipation of the
energy-dissipation circuit (9) as a function of the frequency difference between
the signal coming from the quartz oscillator and the signal coming from the
10 microgenerator, and a rectifier and voltage-multiplicating circuit (2) for rectifying
and multiplying the signal coming from the microgenerator, with at least one
capacitor (C1, C2, C3) charged by the microgenerator via at least one switch
(17, 18, 19). The momentary energy dissipation of the braking circuit (9) can
further be reduced when the capacitors are charged. A control circuit for
15 controlling the switches comprises at least one flipflop (201, 211) which stores
the control state of the switches.

THIS SHEET HAS BEEN
REPLACED