

ABSTRACTTIMEPIECE INCLUDING AN ELECTRIC POWER GENERATOR

Timepiece including :

- a spring (1a) housed in said barrel (1),
- an electric power generator (2) coupled to said barrel (1),
- 5       - a rectifier circuit (4) connected to said generator, and
- a regulator circuit (6) supplied by the direct voltage (Ua) from the rectifier circuit and intended to control the rotational speed of the generator (2).

10       The rectifier circuit (4) comprises :

- a voltage doubler rectifier (20) connected to the output of the generator (2),
- a first capacitor (23) and a first diode (21) connected in series between said first output terminal
- 15       (20a) of the rectifier (20) and the first output terminal (B2) of the generator (2), et
- a second capacitor (24) and a second diode (22) connected in series between the first output terminal (B2) of the generator (2) and the second output terminal (20a)
- 20       of the rectifier (20)

Figure 1