

ABSTRACT

SYNCHRONISATION METHOD BETWEEN ANALOGUE DISPLAY
MEANS AND THE TIME COUNTER OF A WATCH

The invention concerns a synchronisation method between analogue display means (4, 6) and a volatile time counter (8) in a multi-function electronic watch when the primary powering means (18) powering said watch are replaced, including the following steps, (i) calculating a value (Vtps) representative of a time information item
5 by means of the time base (14) of the watch; (ii) storing the value in the volatile time counter; (iii) updating the value in the volatile time counter periodically as a function of the supply frequency of a time information item by the time base; (iv) synchronised display of the value representative of a time information item by the analogue display means in a first operating mode of the watch; (v) non-synchronised display of a value
10 not representative of a time information item by the analogue display means in a second operating mode of the watch; (vi) detecting the end of life of the primary power means powering the watch; (vii) setting the analogue display means in a predetermined reference position following detection of the end of life of the primary powering means; (viii) setting the value of the time counter to a predetermined
15 reference value when the primary powering means are removed; (ix) automatic synchronisation between the analogue display means and the value of the time counter when the primary powering means are replaced.

Figure 2