

Claim Mapping for U.S. Patent No. 9,804,678

Element 1[pre][1]: A method combining gesture detection by an inertial sensor and gesture detection with a touch panel for switching a wristwatch from a first power mode to a second power mode,	Element 14[pre]: A wristwatch which can be operated in a plurality of power modes including a first power mode and a second power mode, comprising: Element 14[C]: a touch panel underneath a cover glass of said wristwatch for detecting a gesture on said cover glass; Element 14[E]: an inertial sensor comprising an accelerometer and a processor and/or other processing means, said accelerometer being arranged for generating an acceleration signal and the processor and/or other processing means being arranged for discriminating between gesture and no gesture based on a direction of said acceleration signal as measured by said accelerometer being a three dimensional accelerometer, and on a slope or frequency of said acceleration signal, while the microcontroller and the touch controller are in a sleep power mode;
Element 1[pre][2]: wherein the inertial sensor comprises an accelerometer and a processor and/or other processing means,	Element 14[E]: an inertial sensor comprising an accelerometer and a processor and/or other processing means, said accelerometer being arranged for generating an acceleration signal and the processor and/or other processing means being arranged for discriminating between gesture and no gesture based on a direction of said acceleration signal as measured by said accelerometer being a three dimensional

Claim Mapping for U.S. Patent No. 9,804,678

	accelerometer, and on a slope or frequency of said acceleration signal, while the microcontroller and the touch controller are in a sleep power mode;
Element 1[pre][3]: and wherein the wristwatch comprises a microcontroller controlling a display of indication on a digital matrix display of the wristwatch	Element 14[A]: a display; Element 14[B]: a microcontroller; Element 14[G]: wherein the microcontroller is arranged for controlling a display of indication on the display and commanded so as to be switched to said second power mode upon a tap gesture detection by said touch controller and for discriminating between gesture and no gesture based at least on signals from said touch panel.
Element 1[pre][4]: and a touch controller for interpreting touch signal provided by a touch panel underneath a cover glass and for converting said signals into command signal , the method comprising;	Element 14[C]: a touch panel underneath a cover glass of said wristwatch for detecting a gesture on said cover glass; Element 14[D]: a touch controller for interpreting touch signal provided by the touch panel and for converting said signals into command signal;
Element 1[A]: using the accelerometer of the inertial sensor for generating an acceleration signal used for detecting a gesture on the cover glass of said	Element 14[E]: an inertial sensor comprising an accelerometer and a processor and/or other processing means, said accelerometer being arranged for generating an acceleration signal and the processor

Claim Mapping for U.S. Patent No. 9,804,678

wristwatch, while the microcontroller and the touch controller are in a sleep power mode;	and/or other processing means being arranged for discriminating between gesture and no gesture based on a direction of said acceleration signal as measured by said accelerometer being a three dimensional accelerometer, and on a slope or frequency of said acceleration signal, while the microcontroller and the touch controller are in a sleep power mode;
Element 1[B]: using the processor and/or other processing means of the inertial sensor for discriminating between gesture and no gesture based on a direction of said acceleration signal and on a slope or frequency of said acceleration signal as measured by said accelerometer being a three dimensional accelerometer,	Element 14[E]: an inertial sensor comprising an accelerometer and a processor and/or other processing means, said accelerometer being arranged for generating an acceleration signal and the processor and/or other processing means being arranged for discriminating between gesture and no gesture based on a direction of said acceleration signal as measured by said accelerometer being a three dimensional accelerometer, and on a slope or frequency of said acceleration signal, while the microcontroller and the touch controller are in a sleep power mode;
Element 1[C]: in response to a detection of a gesture by said inertial sensor, waking up the touch controller;	Element 14[F]: wherein touch controller is commanded so as to be switched to said second power mode upon gesture detection by said inertial sensor and for detecting a tap gesture on the cover glass with the touch panel; and
Element 1[D]: using the touch controller for detecting a tap gesture on the cover glass with the touch panel;	Element 14[F]: wherein touch controller is commanded so as to be switched to said second power mode upon

Claim Mapping for U.S. Patent No. 9,804,678

	gesture detection by said inertial sensor and for detecting a tap gesture on the cover glass with the touch panel; and
Element 1[E]: waking up the microcontroller in said wristwatch upon detection of a tap gesture by said touch controller,	Element 14[G]: wherein the microcontroller is arranged for controlling a display of indication on the display and commanded so as to be switched to said second power mode upon a tap gesture detection by said touch controller and for discriminating between gesture and no gesture based at least on signals from said touch panel.
Element 1[F]: using said microcontroller for detecting said gesture and for discriminating between gesture and no gesture based at least on signals from the touch panel.	Element 14[G]: wherein the microcontroller is arranged for controlling a display of indication on the display and commanded so as to be switched to said second power mode upon a tap gesture detection by said touch controller and for discriminating between gesture and no gesture based at least on signals from said touch panel.