Patent Search

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Abstract:

It is revealed that there is a device that may be worn by a subject who is pregnant in order to monitor the subject's pregnancy. The wearable device includes a contro communication with a plurality of sensors that are sensing at least one physiological parameter each of the fetus and the subject. Additionally, the device includes a p sensors that are sensing at least one physiological parameter of the subject. The controller of the wearable device determines a value that is associated with each of physiological parameters, compares the determined value with one or more of the corresponding historical values and corresponding one or more predefined value takes one or more actions based on the outcomes of the comparisons. The one or more activities consist of supplying a stimulus for the purpose of stimulating the f anticipating a health status of the fetus, and conveying, through at least one communication means, one or more alerts to one or more devices that have been pre-d

Complete Specification

Description:The area of objectively monitoring a fetus is relevant to the current disclosure, and more specifically, the disclosure is relevant to a device that may be v a pregnant individual in order to monitor the health of the fetus.

Background of Invention:

There were about 2.6 million stillbirths over the world in the year 2015, according to data from the World Health Organization (WHO), which means that there were than 7178 stillbirths every single day. Further research revealed that almost half of all stillbirths take place during the intrapartum period. This refers to the time pe begins with the beginning of labor and ends with the delivery of the baby. Some of the most common reasons for stillbirth are associated with the state of the expe mother's and the fetus's own physiological health. However, the majority of stillbirths may be avoided via careful monitoring of the fetus throughout pregnancy.

Decreased fetal movement, often known as RFM, is one of the fetal conditions. Other fetal problems include low birth weight, fetal development limits (such as redu heart beat or brain dysfunction), and low birth weight. Maternal illnesses (such as obesity, diabetes, and hypertension), pregnancy hazards, maternal stress, sleepin position and quality of the expecting woman, and prenatal mental stress of the parents are all examples of maternal physiological conditions.

There are a variety of methods that may be used in order to keep an eye on both the developing baby and the health of the mother-to-be. Monitoring heart rate, EC patterns, fetus movements, fetus heart rate patterns (such as amplitude change, signal frequency, and unique events occurrence), fetus hiccups, birth weight, and t position of the fetus are some of the ways that the health of the foetus can be monitored. Other methods include monitoring fetus heart rate patterns (such as am change, signal frequency, and unique events occurrence), and fetus hiccups Monitoring the regular patterns of heart rate may help identify a significant number of pregnancies, such as intrauterine growth restriction (IUGR) and ectopic pregnancy. FHR monitors are primarily used to monitor the heart rate of the fetus. These m

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