

Novel system and apparatus for providing personalized cardio diagnosis and abnormalities alerts

The Product

The product disclosed is a personalized real-time automated holter device that provides an automatic medical diagnosis of cardiac abnormalities and generates alert signals representative of certain abnormalities in patient's cardiac activities.

The product enables permanent patient monitoring for the abnormalities in patient's cardiovascular data.

Individual parameters indicative of patient's cardio activities are personalized to allow for adjustments of chronic patients. Therefore alert signals threshold levels will be adjusted to correspond with person's specific health parameters.

The alerts are transmitted using a wireless network to a medical remote monitoring center.

A response is generated according to the abnormality detected. Automatic real-time medical response may be provided based on automatic cardiac abnormality alert detection from the holter data.

Intellectual Property

Makor has obtained on September 16, 2014 a US patent no. 8,838,217 to protect its intellectual property with regard to the disclosed product.

Advantages

Results from telehealth programs reveal sharp decreases in readmission rates and mortality rates, alongside increases in adherence through patient engagement. These benefits make a strong business case for telehealth and will result in greater reimbursement from regulatory bodies. As a result, providers will integrate telehealth into their healthcare delivery.

In particular, the introduction of mobile health hubs is boosting the market, lowering the cost of telehealth while increasing overall value propositions.

Telehealth is especially helpful in managing the chronic conditions of those aged 65 and older – a group that constitutes a large percentage of the overall population – in the face of all-time-high levels of cardiovascular diseases, diabetes, cancer and obesity.

Telehealth also offers scalable healthcare in a cost-efficient way at a time of increasing pressure on the healthcare sector for personnel and resources.

Marketing and need for the product

Makor will center its marketing efforts on offering the holter to the existing large remote health monitoring / telehealth companies who would be interested to offer the novel holter device to the existing clients and to the potential clients.

Makor's novel holter will produce an advantage to the remote health monitoring / telehealth companies since it will automate the cardiac diagnosis process and reduce the need in expensive workforce.