

DUEARITY TO DEVELOP AI SOLUTION FOR PEOPLE SUFFERING FROM TINNITUS

Duearity has conducted a proof of concept as the first stage of its development program for the company's AI system. A prototype system has been built to prove the viability of the company's concept. The AI system is designed to help people suffering from tinnitus manage their symptoms, thereby relieving their tinnitus. It's expected to be ready to launch in 2024 and has the potential to generate considerable revenues for the company. There is no system available at this time within the field of tinnitus that is similar to Duearity's concept, making it unique in the field. A patent has already been applied for.

Duearity has successfully conducted a proof of concept study to support development of a unique AI system for people suffering from tinnitus. The system can be used both by individuals to manage their tinnitus symptoms and in Tinnitus Retraining Therapy (TRT), the most widespread treatment method. Duearity has previously applied for a patent to protect the AI system.

There has been considerable market interest, most notably from audiologists and other key players. Duearity's AI solution will be expected to generate considerable revenues for the company as of 2024.

It consists of five functions. The first involves measuring a number of vital signs using a device located at a particular point on the body.

The second is an app that regularly monitors vital signs, such as stress levels and the individual's perception of their tinnitus symptoms. The app visualises the link between lifestyle factors, body functions and the person's tinnitus symptoms.

The third function is a cloud solution that uses algorithms to analyse the data gathered. The objective is to analyse and draw conclusions about the person's symptoms and identify factors that improve and worsen symptoms. By linking vital signs and symptoms, the AI system will be able to predict when an individual's symptoms are worsening and provide a warning, thereby giving the individual the opportunity to manage their tinnitus.

The fourth function is the fully-developed Tinearity sound element feature, which is constantly synced to the app and reacts to changes in tinnitus symptoms. The objective is to provide rapid relief of symptoms.

The fifth function is data analysis, meant to give insight and knowledge. We hope that in time, this data can be used by scientists to gain a deeper understanding of tinnitus and thus be able to find better and more effective treatment methods.

A major advantage of the AI system is that it will be usable within TRT, the most widespread and accepted treatment in use. TRT is a combination of Cognitive Behavioural Therapy (CBT) with a psychologist or therapist and listening to white noise. Tinnitus symptoms change continuously, from day-to-day and sometimes even from hour-to-hour. A big problem today is that both the patient and the psychologist find it hard to define when exactly a symptom worsened and the underlying factors that made it worse. The AI system is designed to improve TRT treatment by making it easier to identify situations that cause patients to suffer and that trigger worsening symptoms. This will improve the chances of successful treatment.

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About Deurity AB (publ)

Deurity is a medtech company that develops and produces solutions aiming to relieve tinnitus symptoms and make everyday life easier for those who suffer from tinnitus. With a deep understanding of the people who have problems with tinnitus, the Company will with intelligent solutions give these people the opportunity to enjoy life. The company will offer the products Tinearity and Tinearity-AI. Tinearity transmits white noise using Bone Conduction Technology to the inner ear in order to relieve symptoms. Tinearity AI will use artificial intelligence to help people anticipate the symptoms and relieve their discomfort. The company's headquarters are located in Malmö, Sweden.
www.deurity.com.
www.tinearity.com

Attachments

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