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# HeartBeam Announces Automated Cardiac Detection Patent Granted for HeartBeam AIMIGo™ System

*Patent Underscores AI for Vectorcardiography (VECG) IP Leadership Effort*

SANTA CLARA, Calif.--(BUSINESS WIRE)-- **HeartBeam, Inc.** (NASDAQ: BEAT), a cardiac technology company that has developed the first and only 3D vector electrocardiogram (VECG) platform intended for patient use at home, today announced it has received a notice of allowance from The United States Patent and Trademark Office for a key patent relating to the initial AI capability in the form of an expert system for its HeartBeam AIMIGo™ System. The patent is entitled, "Hand Held Device for Automatic Cardiac Risk and Diagnostic Assessment."

HeartBeam has developed the HeartBeam AIMIGo System, a personal, portable and easy-to-use VECG solution to assist patients and their clinicians in assessing cardiac symptoms. HeartBeam's breakthrough solution employs a reusable, credit card-sized, VECG recording device and cloud-based software to deliver critical data to clinicians in real-time outside of a medical setting. More than 127 million people in the US have cardiovascular disease, including more than 20 million with coronary artery disease.

"We believe this patent will further our effort to create a dominant IP position in the area of ambulatory VECG. We believe that coupling AI with the highest resolution ambulatory ECG device available will have the power to deliver unprecedented diagnostic capability for patients experiencing acute cardiac symptoms, which will ultimately lead to improved care and saved lives," said Branislav Vajdic, PhD, HeartBeam CEO and founder.

"This patent will be followed by an aggressive IP development effort with PatentVest as we refine our algorithms, systems and devices," added Vajdic.

The newly allowed patent describes a system that combines the recorded cardiac signals from the HeartBeam AIMIGo VECG device with the patient's symptoms and cardiac risk factors to calculate a cardiac risk score, providing simplified diagnostic information and actionable instructions to the patient. It aims to replicate the decision-making process a physician uses when assessing a patient with cardiac symptoms but performed remotely in an automated manner.

## About HeartBeam, Inc.

HeartBeam, Inc. (NASDAQ: BEAT) is a cardiac technology company that has developed the first and only 3D-vector ECG platform intended for patient use at home. By applying a suite of proprietary algorithms to simplify vector electrocardiography (VECG), the HeartBeam platform enables patients and their clinicians to assess their cardiac symptoms quickly and easily, so care can be expedited, if required. HeartBeam has two patented products in

development. HeartBeam AIMI™ is software for acute care settings that provides a 3D comparison of baseline and symptomatic 12-lead ECG to more accurately identify a heart attack. HeartBeam AIMIGo™ is the first and only credit card-sized 12-lead output ECG device coupled with a smart phone app and cloud-based diagnostic software system to facilitate remote evaluation of cardiac symptoms. HeartBeam AIMI and AIMIGo have not yet been cleared by the US Food and Drug Administration (FDA) for marketing in the USA or other geographies. For more information, visit [HeartBeam.com](http://HeartBeam.com).

### **Forward-Looking Statements**

All statements in this release that are not based on historical fact are "forward-looking statements." While management has based any forward-looking statements included in this release on its current expectations, the information on which such expectations were based may change. Forward-looking statements involve inherent risks and uncertainties which could cause actual results to differ materially from those in the forward-looking statements, as a result of various factors including those risks and uncertainties described in the Risk Factors and in Management's Discussion and Analysis of Financial Condition and Results of Operations sections of our in our Forms 10-K, 10-Q and other reports filed with the SEC and available at [www.sec.gov](http://www.sec.gov). We urge you to consider those risks and uncertainties in evaluating our forward-looking statements. We caution readers not to place undue reliance upon any such forward-looking statements, which speak only as of the date made. Except as otherwise required by the federal securities laws, we disclaim any obligation or undertaking to publicly release any updates or revisions to any forward-looking statement contained herein (or elsewhere) to reflect any change in our expectations with regard thereto or any change in events, conditions or circumstances on which any such statement is based.

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