UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): November 1, 2023

BioSig Technologies, Inc.
(Exact name of registrant as specified in its charter)

Delaware	**001-38659**	**26-4333375**
(State or other jurisdiction of incorporation)	(Commission File Number)	(IRS Employer Identification No.)

55 Greens Farms Road, 1st Floor **Westport, Connecticut**	**06880**
(Address of principal executive offices)	(Zip Code)

(203) 409-5444
(Registrant's telephone number, including area code)

N/A
(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	**Trading Symbol(s)**	**Name of exchange on which registered**
Common Stock, par value $0.001 per share	BSGM	The NASDAQ Capital Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Item 8.01 Other Events.

On November 1, 2023, BioSig Technologies, Inc. issued a press release announcing that the U.S. Patent and Trademark Office has awarded several new utility patents. A copy of the press release is attached as Exhibit 99.1 to this Current Report on Form 8-K and is hereby incorporated by reference herein.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit Number	Description
99.1	Press Release dated November 1, 2023
104	Cover Page Interactive Data File (formatted as Inline XBRL)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

BIOSIG TECHNOLOGIES, INC.

Date: November 1, 2023

By: /s/ Kenneth L. Londoner
Name: Kenneth L. Londoner
Title: Executive Chairman

Exhibit 99.1

BioSig Adds Five New Patent Awards to 100+ Total Patent Portfolio Covering Digital Signal Processing Technology and AI

- ***IP portfolio includes U.S. and worldwide utility and design patents and pending applications in the U.S., Europe, and Asia-Pacific***

Westport, CT, November 1, 2023 (GLOBE NEWSWIRE) - BioSig Technologies, Inc. (NASDAQ: BSGM) ("BioSig" or the "Company") a medical technology company committed to delivering unprecedented accuracy and precision to intracardiac signal visualization, announced today that the U.S. Patent and Trademark Office has awarded several new utility patents covering the Company's PURE EP™ digital signal processing technology.

Kenneth Londoner, Chairman and CEO of BioSig, commented, "We are pleased to add five utility patent awards to our expanding intellectual property portfolio of more than 100 patents and patent applications in the U.S. and abroad. Our robust patent protection and well-constructed claims cover BioSig's first mover advantage for our novel PURE EP™ Platform."

New Patent Awards

U.S. Patent Application No. **16/543,061** was allowed on **September 22, 2023** and is entitled "**Systems and Methods To Display Cardiac Signals Based on a Signal Pattern.**" The patent application describes and claims a computer method for viewing cardiac signals side by side and vertically stacked on top of each other as a pattern is matched to one of the cardiac signals.

U.S. Patent No. **11,737,699** granted on **August 29, 2023** and is entitled "**Systems and Methods for Performing Electrophysiology (EP) Signal Processing.**" The patent describes and claims methods and systems for producing a clean unipolar signal.

U.S. Patent No. **11,737,701** granted on **August 29, 2023** and is entitled "**Methods, Systems and Media For Reconstructing Bioelectric Lead Placement.**" The patent describes and claims methods and systems for reconstructing electrode placement on a patient using artificial intelligence.

U.S. Patent **11,617,529** granted on **April 4, 2023** and is entitled "**Apparatus and Methods for Removing a Large-Signal Voltage Offset from a Biomedical Signal.**" The patent claims a method for processing an electrical signal having a large differential voltage offset.

U.S. Patent **11,617,530** granted on **April 4, 2023** and is entitled "**Apparatus and Methods for Removing a Large-Signal Voltage Offset from a Biomedical Signal.**" The patent claims a system for the removal of noise in electrocardiogram (ECG) and intracardiac (IC) signals.

BioSig's Total Patent Portfolio

- 35 issued and allowed utility patents
- 30 issued worldwide design patents
- 23 U.S. and foreign utility patent applications pending covering various aspects of the PURE EP Platform
- 1 allowed and 1 pending U.S. patent applications directed to artificial intelligence (AI)
- Licenses to 11 patents and 9 additional worldwide utility patent applications pending from Mayo Foundation for Medical Education and Research

About The PURE EP™ Platform

The PURE EP™ Platform serves physicians by enabling the real-time acquisition of raw cardiac signal data—absent of unnecessary noise or interference inherent in traditional approaches. By leveraging a first-of-its-kind combination of hardware and software, the PURE EP™ Platform is designed to deliver unprecedented intracardiac signal purity that pushes the boundaries of cardiac arrhythmia identification, diagnosis, and treatment.

In a blinded clinical study recently published in the Journal of Cardiovascular Electrophysiology, electrophysiologists rated PURE EP™ as superior to conventional systems for 75.2% of signal samples, with 87% earning a rating of equivalent or superior. Data presented at Heart Rhythm Society 2023 demonstrated the PURE EP™ Platform's capacity to facilitate ablations in a third of the usual time, reducing procedure time and improving workflow efficiencies, without sacrificing accuracy, precision, or efficacy.[1]

The PURE EP™ Platform is currently in a national commercial launch and an integral part of well-respected healthcare systems, including Mayo Clinic, Texas Cardiac Arrhythmia Institute, Cleveland Clinic, and Kansas City Heart Rhythm Institute.

About BioSig Technologies, Inc.

BioSig Technologies is a medical technology company focused on deciphering the body's electrical signals, starting with heart rhythms. By leveraging a first of its kind combination of hardware and software, we deliver unprecedented cardiac signal clarity, ending the reliance on 'mixed signals' and 'reading between the lines.' Our platform technology is addressing some of healthcare's biggest challenges—saving time, saving costs, and saving lives.

The Company's product, the PURE EP™ Platform, an FDA 510(k) cleared non-invasive class II device, provides superior, real-time signal visualization allowing physicians to perform highly targeted cardiac ablation procedures with increased procedural efficiency and efficacy.

An estimated, 14.4 million Americans suffer from cardiac arrhythmias, and the global EP market is projected to reach $16B in 2028 with an 11.2% growth rate[2].

Forward-looking Statements
This press release contains "forward-looking statements." Such statements may be preceded by the words "intends," "may," "will," "plans," "expects," "anticipates," "projects," "predicts," "estimates," "aims," "believes," "hopes," "potential" or similar words. Forward- looking statements are not guarantees of future performance, are based on certain assumptions and are subject to various known and unknown risks and uncertainties, many of which are beyond the Company's control, and cannot be predicted or quantified and consequently, actual results may differ materially from those expressed or implied by such forward-looking statements. Such risks and uncertainties include, without limitation, risks and uncertainties associated with (i) the geographic, social and economic impact of COVID-19 on our ability to conduct our business and raise capital in the future when needed, (ii) our inability to manufacture our products and product candidates on a commercial scale on our own, or in collaboration with third parties; (iii) difficulties in obtaining financing on commercially reasonable terms; (iv) changes in the size and nature of our competition; (v) loss of one or more key executives or scientists; and (vi) difficulties in securing regulatory approval to market our products and product candidates. More detailed information about the Company and the risk factors that may affect the realization of forward-looking statements is set forth in the Company's filings with the Securities and Exchange Commission (SEC), including the Company's Annual Report on Form 10-K and its Quarterly Reports on Form 10-Q. Investors and security holders are urged to read these documents free of charge on the SEC's website at http://www.sec.gov. The Company assumes no obligation to publicly update or revise its forward-looking statements as a result of new information, future events or otherwise.

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[1] https://onlinelibrary.wiley.com/doi/10.1111/jce.15250
[2] Global Market Insights, Inc. (2022, March)