UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM S-8 REGISTRATION STATEMENT

UNDER
THE SECURITIES ACT OF 1933

SoundThinking, Inc.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of Incorporation or organization) 47-0949915 (I.R.S. Employer Identification No.)

39300 Civic Center Drive, Suite 300 Fremont, CA 94538 (Address of principal executive offices) (Zip code)

SoundThinking, Inc. 2017 Equity Incentive Plan SoundThinking, Inc. 2017 Employee Stock Purchase Plan (Full titles of the plans)

Ralph A. Clark
President and Chief Executive Officer
SoundThinking, Inc.
39300 Civic Center Drive, Suite 300
Fremont, California 94538
(510) 794-3100

(Name and address of agent for service) (Telephone number, including area code, of agent for service)

Copies to:

Jodie M. Bourdet Cooley LLP 3 Embarcadero Center, 20th Floor San Francisco, California 94111 (415) 693-2000

X

Non-accelerated filer

Ralph A. Clark
President and Chief Executive Officer
SoundThinking, Inc.
39300 Civic Center Drive, Suite 300
Fremont, California 94538
(510) 794-3100

X

Smaller reporting company Emerging growth company

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, anon-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

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 7(a)(2)(B) of the Securities Act. \Box

EXPLANATORY NOTE

SoundThinking, Inc. (the "Registrant") is filing this Registration Statement on FormS-8 (this "Registration Statement") to register an aggregate of 1,543,920 shares of the common stock, par value \$0.005 per share, of the Registrant ("Common Stock"), which consists of 1,243,920 shares of Common Stock reserved for issuance under the SoundThinking, Inc. 2017 Equity Incentive Plan (the "Plan") and 300,000 shares of Common Stock reserved for issuance under the SoundThinking, Inc. 2017 Employee Stock Purchase Plan (the "ESPP").

These additional shares of Common Stock are securities of the same class as other securities previously registered for issuance under the Plan and the ESPP pursuant to (i) a Registration Statement on Form S-8 (File No. 333-218712) filed with the Securities and Exchange Commission (the "Commission") on June 14, 2017, (ii) a Registration Statement on Form S-8 (File No. 333-226053) filed with the Commission on July 2, 2018, (iii) a Registration Statement on Form S-8 (File No. 333-237217) filed with the Commission on March 16, 2020, and (iv) a Registration Statement on FormS-8 (File No. 333-264034) filed with the Commission on March 31, 2022 (collectively, the "Prior Registration Statements"). Accordingly, the contents of the Prior Registration Statements are incorporated by reference into this Registration Statement pursuant to General Instruction E of Form S-8.

PART II

ITEM 3. INCORPORATION OF DOCUMENTS BY REFERENCE

The following documents filed by the Registrant with the Securities and Exchange Commission are incorporated by reference into this Registration Statement:

- (a) The Registrant's Annual Report on Form 10-K (the "Form 10-K") for the year ended December 31, 2024, filed with the Commission on March 31, 2025.
- (b) The description of the Registrant's common stock which is contained in the registration statement on Form 8-A filed on June 2, 2017 (File No. 001-38107) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), including any amendment or report filed for the purpose of updating such description, including Exhibit 4.5 to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2019, filed with the Commission on March 13, 2020.

(c) All other reports and documents subsequently filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act (other than Current Reports furnished under Item 2.02 or Item 7.01 of Form 8-K and exhibits furnished on such form that relate to such items) on or after the date of this Registration Statement and prior to the filing of a post-effective amendment to this Registration Statement which indicates that all securities offered have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference herein and to be a part of this Registration Statement from the date of the filing of such reports and documents. Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any subsequently filed document that also is deemed to be incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

ITEM 8. EXHIBITS

| E 1974 | | Incorporated by Reference | | | |
|-------------------|---|---------------------------|------------|---------|----------------------|
| Exhibit Number | Exhibit Description | Form | File No. | Exhibit | Filing Date |
| 3.1 | Amended and Restated Certificate of Incorporation | 8-K | 001-38107 | 3.1 | April 11, 2023 |
| 3.2 | Certificate of Change of Registered Agent | 10-Q | 001-38107 | 3.2 | August 10, 2023 |
| 3.3 | Amended and Restated Bylaws | 8-K | 001-38107 | 3.1 | November 9, 2023 |
| 4.1 | Form of Common Stock Certificate | S-1/A | 333-217603 | 4.1 | May 19, 2017 |
| 4.2 | Description of Capital Stock | 10-K | 001-38107 | 4.5 | March 13, 2020 |
| 5.1* | Opinion of Cooley LLP | | | | |
| 23.1* | Consent of Baker Tilly US, LLP, Independent Registered Public Accounting Firm. | | | | |
| 23.2* | Consent of Cooley LLP (included in Exhibit 5.1) | | | | |
| 24.1* | Power of Attorney (included on the signature page of this Form S-8) | | | | |
| 99.1 | SoundThinking, Inc. 2017 Equity Incentive Plan | 10-K | 001-38107 | 10.3 | April 1, 2024 |
| 99.2 | Forms of Option Agreement and Option Grant Notice under the 2017 Equity Incentive Plan | 10-K | 001-38107 | 10.4 | April 1, 2024 |
| 99.3 | Form of Restricted Stock Unit Grant Notice and Restricted Stock Unit Restricted Terms and Conditions under the 2017 Equity Incentive Plan | 10-Q | 001-38107 | 10.1 | November 14, 2023 |

| 99.4 | Forms of Performance- and Service-Based RSU Grant Notice and Terms and Conditions | | | | November 14, |
|------|---|------|-----------|------|-----------------|
| | | 10-Q | 001-38107 | 10.2 | 2023 |
| 99.5 | Forms of Restricted Stock Unit Grant Notice for Directors | 10-Q | 001-38107 | 10.6 | August 14, 2017 |
| 99.6 | SoundThinking, Inc. 2017 Employee Stock Purchase Plan | 10-K | 001-38107 | 10.7 | April 1, 2024 |
| 107* | Filing Fee Table | | | | |

^{*} Filed herewith.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Fremont, State of California, on April 8, 2025.

SOUNDTHINKING, INC.

By: /s/ Ralph A. Clark

Ralph A. Clark President and Chief Executive Officer

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Ralph A. Clark and Alan R. Stewart, and each or any one of them, his or her true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this Registration Statement, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or any of them, or their or his substitutes or substitute, may lawfully do or cause to be done by virtue hereof

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

| <u>Signature</u> | <u>Title</u> | <u>Date</u> |
|--|---|---------------|
| /s/ Ralph A. Clark Ralph A. Clark | President, Chief Executive Officer and Director (Principal Executive Officer) | April 8, 2025 |
| /s/ Alan R. Stewart Alan R. Stewart | Chief Financial Officer (Principal Financial and Accounting Officer) | April 8, 2025 |
| /s/ Pascal Levensohn Pascal Levensohn | Director | April 8, 2025 |
| /s/ William J. Bratton William J. Bratton | Director | April 8, 2025 |
| /s/ Deborah A. Grant Deborah A. Grant | Director | April 8, 2025 |
| /s/ Roberta S. Jacobson Roberta S. Jacobson | Director | April 8, 2025 |
| /s/ Marc Morial Marc Morial | Director | April 8, 2025 |
| /s/ Ruby Sharma Ruby Sharma | Director | April 8, 2025 |



Jodie M. Bourdet +1 415 693 2054 ibourdet@coolev.com

April 8, 2025

SoundThinking, Inc. 39300 Civic Center Drive, Ste. 300 Fremont, California 94538

Ladies and Gentlemen:

We have acted as counsel to SoundThinking, Inc., a Delaware corporation (the "Company"), in connection with the filing of a Registration Statement on Form S-8 (the "Registration Statement") with the Securities and Exchange Commission covering the offering of up to 1,543,920 shares (the 'Shares') of the Company's Common Stock, par value \$0.005 per share ("Common Stock"), including (a) 1,243,920 shares of Common Stock pursuant to the Company's 2017 Equity Incentive Plan (the "2017 EIP") and (b) 300,000 shares of Common Stock pursuant to the Company's 2017 Employee Stock Purchase Plan (together with the 2017 EIP, the "Plans").

In connection with this opinion, we have examined and relied upon (a) the Registration Statement and related prospectuses, (b) the Plans, (c) the Company's certificate of incorporation, and bylaws, each as currently in effect and (d) such other, records, documents, opinions, certificates, memoranda and instruments as in our judgment are necessary or appropriate to enable us to render the opinion expressed below. We have assumed the genuineness of all signatures, the authenticity of all documents submitted to us as originals, the conformity to originals of all documents submitted to us as copies, the accuracy, completeness and authenticity of certificates of public officials and the due authorization, execution and delivery of all documents by all persons other than the Company where authorization, execution and delivery are prerequisites to the effectiveness thereof. As to certain factual matters, we have relied upon a certificate of an officer of the Company and have not independently verified such matters.

Our opinion is expressed only with respect to the General Corporation Law of the State of Delaware. We express no opinion to the extent that any other laws are applicable to the subject matter hereof and express no opinion and provide no assurance as to compliance with any federal or state securities law, rule or regulation.

On the basis of the foregoing, and in reliance thereon, we are of the opinion that the Shares, when sold and issued in accordance with the Plans and the Registration Statement and the related prospectuses, will be validly issued, fully paid, and nonassessable (except as to shares issued pursuant to deferred payment arrangements, which will be fully paid and nonassessable when such deferred payments are made in full).

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This opinion is limited to the matters expressly set forth in this letter, and no opinion should be implied, or may be inferred, beyond the matters expressly stated. This opinion speaks only as to law and facts in effect or existing as of the date hereof, and we have no obligation or responsibility to update or supplement this opinion to reflect any facts or circumstances that may hereafter come to our attention or any changes in law that may hereafter occur.

We consent to the filing of this opinion as an exhibit to the Registration Statement. In giving such consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act of 1933, as amended, or the rules and regulations of the Commission thereunder.

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|----------|------------|
| Sincere | ıy, |

Cooley LLP

By: /s/ Jodie M. Bourdet

Jodie M. Bourdet

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in the Registration Statement on FormS-8 of SoundThinking, Inc. of our report dated March 31, 2025, relating to the consolidated financial statements of SoundThinking, Inc., appearing in the Annual Report on Form 10-K for the year ended December 31, 2024

/s/ Baker Tilly US, LLP

Minneapolis, Minnesota April 8, 2025

Filing Fee Table

Form S-8 (Form Type)

SOUNDTHINKING, INC.

(Exact Name of Registrant as Specified in its Charter)

Table 1: Newly Registered Securities

| Security Type | Security Class Title | Fee Calculation Rule | Amount to be Registered (1) | Proposed Maximum Offering Price Per Share | Proposed Maximum Aggregate Offering Price | Fee Rate | Amount of Registration Fee |
|------------------------|---|----------------------------|--------------------------------|---|---|-------------|----------------------------------|
| Equity | Common Stock, par value \$0.005 per share, reserved for issuance pursuant to the Registrant's 2017 Equity Incentive | | | | | | |
| | Plan | Other(4) | 1,243,920(2) | \$15.33(4) | \$19,069,293.60(4) | .00015310 | \$2,919.51 |
| Equity | Common Stock, par value \$0.005 per share, reserved for issuance pursuant to the Registrant's 2017 Employee Stock Purchase Plan | Other(5) | 300,000(3) | \$13.03(5) | \$3,909,000.00(5) | .00015310 | \$598.47 |
| Total Offering Amounts | | | \$22,978,293.60 | _ | \$3,517.98 | | |
| | Total Fees Previously Paid | | | | | _ | _ |
| | Total Fee Offsets | | | | _ | _ | _ |
| | Net Fee Due | | | | _ | _ | \$3,517.98 |

- (1) Pursuant to Rule 416(a) promulgated under the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement shall also cover any additional shares of the Registrant's Common Stock that become issuable under the 2017 Equity Incentive Plan (the "2017 Plan") and the 2017 Employee Stock Purchase Plan (the "2017 ESPP") set forth herein by reason of any stock dividend, stock split, recapitalization or other similar transaction effected without receipt of consideration that increases the number of outstanding shares of the Registrant's Common Stock.
- (2) Represents additional shares of Common Stock reserved for future issuance under the 2017 Plan. The 2017 Plan provides that an additional number of shares will automatically be added annually to the shares authorized for issuance under the 2017 Plan on January 1st of each year, for a period of not more than 10 years, commencing on January 1, 2018 and ending on (and including) January 1, 2027, in an amount equal to the lesser of (a) 5% of the total number of shares of Common Stock outstanding on December 31st of the preceding calendar year and (b) a number of shares of Common Stock designated by action of the Registrant's board of directors prior to the first day of any calendar year. This filing covers the increases on January 1, 2023 and January 1, 2025.
- (3) Represents additional shares of Common Stock reserved for future issuance under the 2017 ESPP. The 2017 ESPP provides that an additional number of shares will automatically be added annually to the shares authorized for issuance under the ESPP on January 1st of each calendar year, beginning on January 1, 2018 and ending on and including January 1, 2027, by the lesser of (a) 2% of the total number of shares of Common Stock outstanding on December 31st of the preceding calendar year; (b) 150,000 shares of Common Stock and (c) a number of shares of Common Stock designated by action of the Registrant's board of directors prior to the first day of any calendar year. This filing covers the increases on January 1, 2023 and January 1, 2025.
- (4) Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rule 457(c) and 457(h) promulgated under the Securities Act. The proposed maximum offering price per share and the proposed maximum aggregate offering price are calculated using the average of the high and low prices of the Registrant's Common Stock as reported on the Nasdaq Capital Market on April 7, 2025.
- (5) Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rule 457(c) and 457(h) promulgated under the Securities Act. The proposed maximum offering price per share and the proposed maximum aggregate offering price are calculated using the average of the high and low prices of the Registrant's Common Stock as reported on the Nasdaq Capital Market on April 7, 2025, multiplied by 85%, which is the percentage of the price per share applicable to purchases under the 2017 ESPP.