UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of December 2023

Commission File Number: 001-39127

Canaan Inc.

28 Ayer Rajah Crescent #06-08 Singapore 139959

(Address of principal executive offices)

Indicate by check ma	irk whether the registrant files or	will file annual reports under	cover of Form 20-F or Form 40-F.

Form 20-F \boxtimes Form 40-F \square

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): \Box

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): □

Canaan Inc. Closes First Tranche of Preferred Shares Financing

On December 11, 2023, Canaan Inc. (NASDAQ: CAN) ("Canaan" or the "Company" or "We") closed the first tranche of its previously announced preferred shares financing (the "Preferred Shares Financing"), raising total gross proceeds of \$25 million.

On November 27, 2023, the Company entered into a Securities Purchase Agreement with an institutional investor (the "Buyer"), pursuant to which the Company shall issue and sell to the Buyer up to 125,000 Series A Convertible Preferred Shares (the "Preferred Shares") at the price of US\$1,000.00 for each Preferred Share. Pursuant to the first tranche of the Preferred Shares Financing, the Company issued 25,000 Preferred Shares at the price of US\$1,000.00 per Preferred Share and caused The Bank of New York Mellon to deliver 8,000,000 American depositary shares ("ADSs"), each representing fifteen Class A ordinary shares of the Company, at the price of US\$0.00000075 for each ADS.

The Company intends to use the net proceeds from the sale of the securities for research and development, expansion of production scale, and other general corporate purposes.

This Form 6-K is for informational purposes only and is not an offer to sell or a solicitation of an offer to buy any securities, which is made only by means of a prospectus supplement and related prospectus. There will be no sale of these securities in any jurisdiction in which such an offer, solicitation of an offer to buy or sale would be unlawful.

Safe Harbor Statement

This Form 6-K contains forward—looking statements. These statements are made under the "safe harbor" provisions of the U.S. Private Securities Litigation Reform Act of 1995. These forward—looking statements can be identified by terminology such as "will," "expects," "anticipates," "future," "intends," "plans," "believes," "estimates" and similar statements. Among other things, Canaan Inc.'s anticipated financing plans and its intended use of proceeds contain forward—looking statements. Canaan Inc. may also make written or oral forward—looking statements in its periodic reports to the U.S. Securities and Exchange Commission ("SEC") on Forms 20–F and 6–K, in its annual report to shareholders, in press releases and other written materials and in oral statements made by its officers, directors or employees to third parties. Statements that are not historical facts, including statements about Canaan Inc.'s beliefs and expectations, are forward—looking statements. Forward—looking statements involve inherent risks and uncertainties. A number of factors could cause actual results to differ materially from those contained in any forward—looking statement, including but not limited to the following: the Company's goals and strategies; the Company's future business development, financial condition and results of operations; the expected growth of the bitcoin industry and the price of bitcoin; the Company's expectations regarding demand for and market acceptance of its products, especially its bitcoin mining machines; the Company's expectations regarding maintaining and strengthening its relationships with production partners and customers; the Company's investment plans and strategies, fluctuations in the Company's quarterly operating results; competition in its industry in China; and relevant government policies and regulations relating to the Company and cryptocurrency. Further information regarding these and other risks is included in the Company's filings with the SEC. All information provided in this Form 6-K and in

SIGNATURE

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

Canaan Inc.

By: /s/ Nangeng Zhang Name: Nangeng Zhang Title: Chairman and Chief Executive Officer

Date: December 12, 2023