

FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. *See Instruction 1(b).*

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

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person *			2. Issuer Name and Ticker or Trading Symbol			5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
New Enterprise Associates 15, L.P. (Last) (First) (Middle) 1954 GREENSPRING DRIVE, SUITE 600 (Street) TIMONIUM, MD 21093 (City) (State) (Zip)			IonQ, Inc. [IONQ] 5/26/2022			<input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)		
			3. Date of Earliest Transaction (MM/DD/YYYY)					
			4. If Amendment, Date Original Filed (MM/DD/YYYY)			6. Individual or Joint/Group Filing (Check Applicable Line)		
						<input type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. Code (Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	5/26/2022		S		926619	D	\$5.8036 ⁽¹⁾	28303040	D ⁽²⁾	
Common Stock	5/27/2022		S		1497733	D	\$5.9292 ⁽³⁾	26805307	D ⁽²⁾	
Common Stock	5/31/2022		S		498614	D	\$5.6464 ⁽⁴⁾	26306693	D ⁽²⁾	

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
						Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Explanation of Responses:

- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$5.71 to \$6.01, inclusive. The Reporting Person undertakes to provide the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote (1) to this Form 4.
- The securities are directly held by New Enterprise Associates 15, L.P. ("NEA 15") and are indirectly held by NEA Partners 15, L.P. ("NEA Partners 15"), the sole general partner of NEA 15, NEA 15 GP, LLC ("NEA 15 GP"), the sole general partner of NEA Partners 15, and the individual managers of NEA 15 GP (NEA Partners 15, NEA 15 GP and the individual managers of NEA 15 GP (collectively, the "Managers"), together, the "Indirect Reporting Persons"). The Managers of NEA 15 GP are Forest Baskett, Anthony A. Florence, Jr., Mohamad Makhzoumi, Scott D. Sandell and Peter W. Sonsini. The Indirect Reporting Persons disclaim beneficial ownership within the meaning of Section 16 of the Securities Exchange Act of 1934, as amended, or otherwise of such portion of the securities held by NEA 15 in which the Indirect Reporting Persons have no pecuniary interest.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$5.68 to \$6.1115, inclusive. The Reporting Person undertakes to provide the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote (3) to this Form 4.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$5.485 to \$6.12, inclusive. The Reporting Person undertakes to provide the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote (4) to this Form 4.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
New Enterprise Associates 15, L.P. 1954 GREENSPRING DRIVE SUITE 600 TIMONIUM, MD 21093		X		

NEA Partners 15, L.P. 1954 GREENSPRING DRIVE SUITE 600 TIMONIUM, MD 21093	X		
NEA 15 GP, LLC 1954 GREENSPRING DRIVE SUITE 600 TIMONIUM, MD 21093	X		
BASKETT FOREST 1954 GREENSPRING DRIVE SUITE 600 TIMONIUM, MD 21093	X		
Florence Anthony A. Jr. 5425 WISCONSIN AVENUE, SUITE 800 CHEVY CHASE, MD 20815	X		
Makhzoumi Mohamad 2855 SAND HILL ROAD MENLO PARK, CA 94025	X		
SANDELL SCOTT D 1954 GREENSPRING DRIVE SUITE 600 TIMONIUM, MD 21093	X		
Sonsini Peter W. 2855 SAND HILL ROAD MENLO PARK, CA 94025	X		

Signatures

/s/ Louis Citron, attorney-in-fact

5/31/2022

**Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.