

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

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* <u>Rogers Bruce</u>  (Last) (First) (Middle) C/O MORPHIC HOLDING, INC. 35 GATEHOUSE DRIVE, A2  (Street) WALTHAM MA 02451  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Morphic Holding, Inc. [ MORF ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <b>Chief Scientific Officer</b>
	3. Date of Earliest Transaction (Month/Day/Year) <u>01/04/2021</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person 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. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction 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	11/27/2020		G <sup>(1)</sup>	V	5,000	D	\$0.00	149,195 <sup>(2)</sup>	D	
Common Stock	01/04/2021		S <sup>(3)</sup>		9,308	D	\$32.5064 <sup>(4)</sup>	139,797	D	
Common Stock	01/04/2021		S <sup>(3)</sup>		2,640	D	\$33.4648 <sup>(5)</sup>	137,157	D	
Common Stock	01/04/2021		S <sup>(3)</sup>		2	D	\$34.18	137,155	D	
Common Stock	01/05/2021		S <sup>(3)</sup>		12,332	D	\$30.8563 <sup>(6)</sup>	124,823	D	
Common Stock	01/05/2021		S <sup>(3)</sup>		1,801	D	\$30.8996 <sup>(7)</sup>	123,022	D	
Common Stock	01/05/2021		S <sup>(3)</sup>		318	D	\$32.7099 <sup>(8)</sup>	122,704	D	
Common Stock	01/06/2021		S <sup>(3)</sup>		10,840	D	\$30.1523 <sup>(9)</sup>	111,864	D	
Common Stock	01/06/2021		S <sup>(3)</sup>		400	D	\$31.3208 <sup>(10)</sup>	111,464	D	

**Table II - Derivative Securities Acquired, Disposed of, or 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. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		6. Date Exercisable and Expiration Date (Month/Day/Year)		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: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)					

**Explanation of Responses:**

- Represents shares of the issuer's Common Stock that the reporting person donated as a gift.
- Includes 786 shares of Common Stock acquired under the issuer's employee stock purchase plan on August 31, 2020.
- The sales reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$32.07 to \$33.03 per share, inclusive. The reporting person undertakes to provide to 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.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$33.08 to \$34.01 per share, inclusive. The reporting person undertakes to provide to 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.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$30.51 to \$31.50 per share, inclusive. The reporting person undertakes to provide to 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.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$31.55 to \$32.33 per share, inclusive. The reporting person undertakes to provide to 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.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$32.60 to \$32.82 per share, inclusive. The reporting person undertakes to provide to 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.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$30.00 to \$30.93 per share, inclusive. The reporting person undertakes to provide to 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.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$31.07 to \$31.68 per share, inclusive. The reporting person undertakes to provide to 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.

**Remarks:**

/s/ Robert Farrell as attorney-  
in-fact for Bruce Rogers

01/06/2021

\*\* 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.

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