SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

SCHED	TILE	13C
SCHED	ULL	DCI

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO § 240.13d-1 (b), (c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO § 240.13d-2 (Amendment No. 2)*

Morphic Holding, Inc.

(Name of Issuer)

Common Stock (Title of Class of Securities)

> 61775R105 (CUSIP Number)

December 31, 2021 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

☐ Rule 13d-1(b)

☐ Rule 13d-1(c)

☒ Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1	NAMES OF REPORTING PERSONS				
	Omega Fund V, L.P.				
2		E AP) ⊠	PROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (1)		
3	SEC USE Of	NLY			
4	CITIZENSH	IP O	R PLACE OF ORGANIZATION		
	Cayman Isla	nds			
		5	SOLE VOTING POWER		
N	UMBER OF		0		
	SHARES	6	SHARED VOTING POWER		
BENEFICIALLY OWNED BY 1,200,014			1,200,014		
ъ	EACH	7	SOLE DISPOSITIVE POWER		
	REPORTING PERSON		0		
WITH 8 SHARED DISPOSITIVE POWER			SHARED DISPOSITIVE POWER		
1,200,014					
9	AGGREGAT	E A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	1,200,014				
10	0 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9				
	3.3% (2)				
12		EPOI	RTING PERSON		
	PN				

- (1) This Schedule 13G is filed by Omega Fund V, L.P. ("Omega Fund"), Omega Fund V GP, L.P. ("Omega GP"), Omega Fund V GP Manager, Ltd. ("Omega Ltd"), Claudio Nessi ("Nessi"), Otello Stampacchia ("Stampacchia"), and Anne-Mari Paster ("Paster") (together, the "Reporting Persons"). Omega Ltd serves as the general partner of Omega GP, which serves as the general partner of Omega Fund; and each of Omega Ltd and Omega GP may be deemed to own beneficially the shares held by Omega Fund. Nessi, Stampacchia, and Paster are the directors of Omega Ltd and may be deemed to beneficially own the shares held by Omega Fund. The Reporting Persons may be deemed a "group" for purposes of Section 13 of the Exchange Act and expressly disclaim status as a "group" for purposes of this Schedule 13G.
- (2) The following percentages are based on 36,961,618 shares of Common Stock outstanding as of November 1, 2021 as set forth in the Issuer's most recent Form 10-Q for the period ending September 30, 2021, filed with the Securities and Exchange Commission on November 4, 2021.

1	NAMES OF	REP	ORTING PERSONS		
	Omega Fund	d V (GP, L.P.		
2		E AP () ⊠	PROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)		
	(a) 🗀 (b) 🖾			
3	SEC USE Of	NLY			
4	CITIZENSH	IP O	R PLACE OF ORGANIZATION		
	Cayman Isla	nds			
		5	SOLE VOTING POWER		
N	UMBER OF		0		
DE	SHARES NEFICIALLY	6	SHARED VOTING POWER		
OWNED BY 1,200,014					
R	EACH EPORTING	7	SOLE DISPOSITIVE POWER		
	PERSON WITH		0		
	WITH 8 SHARED DISPOSITIVE POWER				
			1,200,014		
9	AGGREGAT	E A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	1,200,014				
10	10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)				
11	1 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9				
10	3.3% (2)				
12	TYPE OF RE	£POI	RTING PERSON		
	PN				

- (1) This Schedule 13G is filed by Omega Fund V, L.P. ("Omega Fund"), Omega Fund V GP, L.P. ("Omega GP"), Omega Fund V GP Manager, Ltd. ("Omega Ltd"), Claudio Nessi ("Nessi"), Otello Stampacchia ("Stampacchia"), and Anne-Mari Paster ("Paster") (together, the "Reporting Persons"). Omega Ltd serves as the general partner of Omega GP, which serves as the general partner of Omega Fund; and each of Omega Ltd and Omega GP may be deemed to own beneficially the shares held by Omega Fund. Nessi, Stampacchia, and Paster are the directors of Omega Ltd and may be deemed to beneficially own the shares held by Omega Fund. The Reporting Persons may be deemed a "group" for purposes of Section 13 of the Exchange Act and expressly disclaim status as a "group" for purposes of this Schedule 13G.
- (2) The following percentages are based on 36,961,618 shares of Common Stock outstanding as of November 1, 2020 as set forth in the Issuer's most recent Form 10-Q for the period ending September 30, 2021, filed with the Securities and Exchange Commission on November 4, 2021.

1	NAMES OF	REP	ORTING PERSONS		
	Omega Fund V GP Manager, Ltd.				
2		E AP () ⊠	PROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)		
	(a) 🗆 (b	, <u> </u>			
3	SEC USE OF	NLY			
4	CITIZENSH	IP O	R PLACE OF ORGANIZATION		
	Cayman Isla	ınds			
		5	SOLE VOTING POWER		
N	UMBER OF		0		
DE	SHARES NEFICIALLY	6	SHARED VOTING POWER		
	WNED BY		1,200,014		
R	EACH EPORTING	7	SOLE DISPOSITIVE POWER		
	PERSON WITH		0		
	WITH 8 SHARED DISPOSITIVE POWER				
			1,200,014		
9	AGGREGAT	'E A.	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	1,200,014				
10	10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)				
11	1 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9				
	3.3% (2)				
12	TYPE OF REPORTING PERSON				
	00				

- (1) This Schedule 13G is filed by Omega Fund V, L.P. ("Omega Fund"), Omega Fund V GP, L.P. ("Omega GP"), Omega Fund V GP Manager, Ltd. ("Omega Ltd"), Claudio Nessi ("Nessi"), Otello Stampacchia ("Stampacchia"), and Anne-Mari Paster ("Paster") (together, the "Reporting Persons"). Omega Ltd serves as the general partner of Omega GP, which serves as the general partner of Omega Fund; and each of Omega Ltd and Omega GP may be deemed to own beneficially the shares held by Omega Fund. Nessi, Stampacchia, and Paster are the directors of Omega Ltd and may be deemed to beneficially own the shares held by Omega Fund. The Reporting Persons may be deemed a "group" for purposes of Section 13 of the Exchange Act and expressly disclaim status as a "group" for purposes of this Schedule 13G.
- (2) The following percentages are based on 36,961,618 shares of Common Stock outstanding as of November 1, 2021 as set forth in the Issuer's most recent Form 10-Q for the period ending September 30, 2021, filed with the Securities and Exchange Commission on November 4, 2021.

1	1 NAMES OF REPORTING PERSONS				
	Claudio Nessi				
2	CHECK THE	E AP	PROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)		
	(a) □ (b) 🗵	(1)		
3	SEC USE Of	NLY			
4	CITIZENSH	IP O	R PLACE OF ORGANIZATION		
	Switzerland				
		5	SOLE VOTING POWER		
N	UMBER OF	-	0		
	SHARES	6	SHARED VOTING POWER		
	NEFICIALLY		1,200,014		
C	OWNED BY EACH	7	SOLE DISPOSITIVE POWER		
R	EPORTING	/	SOLE DISPOSITIVE POWER		
	PERSON 0				
WITH 8 SHARED DISPOSITIVE POWER		SHARED DISPOSITIVE POWER			
			1,200,014		
9	AGGREGAT	E A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	1 200 014				
10	1,200,014 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)				
10	U CHECK BOA IF THE AGGREGATE AMOUNT IN KOW (3) EACLODES CERTAIN SHAKES (SEE INSTRUCTIONS)				
11	1 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9				
	3.3% (2)				
12	TYPE OF RE	EPOI	RTING PERSON (SEE INSTRUCTIONS)		
	IN				

- (1) This Schedule 13G is filed by Omega Fund V, L.P. ("Omega Fund"), Omega Fund V GP, L.P. ("Omega GP"), Omega Fund V GP Manager, Ltd. ("Omega Ltd"), Claudio Nessi ("Nessi"), Otello Stampacchia ("Stampacchia"), and Anne-Mari Paster ("Paster") (together, the "Reporting Persons"). Omega Ltd serves as the general partner of Omega GP, which serves as the general partner of Omega Fund; and each of Omega Ltd and Omega GP may be deemed to own beneficially the shares held by Omega Fund. Nessi, Stampacchia, and Paster are the directors of Omega Ltd and may be deemed to beneficially own the shares held by Omega Fund. The Reporting Persons may be deemed a "group" for purposes of Section 13 of the Exchange Act and expressly disclaim status as a "group" for purposes of this Schedule 13G.
- (2) The following percentages are based on 36,961,618 shares of Common Stock outstanding as of November 1, 2021 as set forth in the Issuer's most recent Form 10-Q for the period ending September 30, 202!, filed with the Securities and Exchange Commission on November 4, 2021.

1	NAMES OF	REP	ORTING PERSONS		
	Otello Stam	pacc	hia		
2			PROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)		
	(a) (b) 🗵	(1)		
3	SEC USE OF	NLY			
4	CITIZENSH	IP O	R PLACE OF ORGANIZATION		
	Italy				
	-	5	SOLE VOTING POWER		
			0		
N	UMBER OF SHARES	6	SHARED VOTING POWER		
BE	NEFICIALLY				
C	WNED BY		1,200,014		
R	EACH EPORTING	7	SOLE DISPOSITIVE POWER		
	PERSON 0				
	WITH 8 SHARED DISPOSITIVE POWER				
			1,200,014		
9	AGGREGAT	E A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	1,200,014				
10					
11					
40	3.3% (2)				
12	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)				
	IN				

- (1) This Schedule 13G is filed by Omega Fund V, L.P. ("Omega Fund"), Omega Fund V GP, L.P. ("Omega GP"), Omega Fund V GP Manager, Ltd. ("Omega Ltd"), Claudio Nessi ("Nessi"), Otello Stampacchia ("Stampacchia"), and Anne-Mari Paster ("Paster") (together, the "Reporting Persons"). Omega Ltd serves as the general partner of Omega GP, which serves as the general partner of Omega Fund; and each of Omega Ltd and Omega GP may be deemed to own beneficially the shares held by Omega Fund. Nessi, Stampacchia, and Paster are the directors of Omega Ltd and may be deemed to beneficially own the shares held by Omega Fund. The Reporting Persons may be deemed a "group" for purposes of Section 13 of the Exchange Act and expressly disclaim status as a "group" for purposes of this Schedule 13G.
- (2) The following percentages are based on 36,961,618 shares of Common Stock outstanding as of November 1, 2021 as set forth in the Issuer's most recent Form 10-Q for the period ending September 30, 2021, filed with the Securities and Exchange Commission on November 4, 2021.

1	NAMES OF	REP	ORTING PERSONS			
	Anne-Mari Paster					
2			PROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)			
	(a) (b) 🗵	(1)			
3	SEC USE Of	NLY				
4	CITIZENSH	IP O	R PLACE OF ORGANIZATION			
_	CITIZLINGII		RTERIOD OF ORGANIZATION			
	United State	s of				
		5	SOLE VOTING POWER			
N	UMBER OF		0			
	SHARES	6	SHARED VOTING POWER			
	NEFICIALLY WNED BY		1,200,014			
	EACH	7	SOLE DISPOSITIVE POWER			
REPORTING PERSON 0			0			
WITH 8 SHARED DISPOSITIVE POWER						
	1,200,014					
9	AGGREGAT	E A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
10	1,200,014 O CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)					
10	GILLER DOTT THE TESTED FILTER CONTENT OF EXCELLENCE OF ENGINEER (DEE INSTRUCTIONS)					
11	11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9					
	3.3% (2)					
12						
	IN					

- (1) This Schedule 13G is filed by Omega Fund V, L.P. ("Omega Fund"), Omega Fund V GP, L.P. ("Omega GP"), Omega Fund V GP Manager, Ltd. ("Omega Ltd"), Claudio Nessi ("Nessi"), Otello Stampacchia ("Stampacchia"), and Anne-Mari Paster ("Paster") (together, the "Reporting Persons"). Omega Ltd serves as the general partner of Omega GP, which serves as the general partner of Omega Fund; and each of Omega Ltd and Omega GP may be deemed to own beneficially the shares held by Omega Fund. Nessi, Stampacchia, and Paster are the directors of Omega Ltd and may be deemed to beneficially own the shares held by Omega Fund. The Reporting Persons may be deemed a "group" for purposes of Section 13 of the Exchange Act and expressly disclaim status as a "group" for purposes of this Schedule 13G.
- (2) The following percentages are based on 36,961,618 shares of Common Stock outstanding as of November 1, 2021 as set forth in the Issuer's most recent Form 10-Q for the period ending September 30, 2021, filed with the Securities and Exchange Commission on November 4, 2021.

Introductory Note: This statement on Schedule 13G is filed on behalf of the Reporting Persons, in respect of shares of Common Stock ("Common Stock"), of Morphic Holding, Inc. (the "Issuer").

Item 1 (a) Name of Issuer:

Morphic Holding, Inc. (the "Issuer")

Item 1 (b) Address of Issuer's principal executive offices:

Morphic Holding, Inc. 35 Gatehouse Drive, A2 Waltham, MA 02451

Items 2(a) Name of Reporting Persons filing:

Omega Fund V, L.P. ("Omega Fund")
Omega Fund V GP, L.P. ("Omega GP")

Omega Fund V GP Manager, Ltd. ("Omega Ltd")

Claudio Nessi ("Nessi")

Otello Stampacchia ("Stampacchia")

Anne-Mari Paster ("Paster")

Item 2(b) Address or principal business office or, if none, residence:

The address of the principal business office of Omega Fund, Omega GP, Omega Ltd, Nessi, Stampacchia, and Paster, is c/o Omega Fund Management, LLC, 888 Boylston Street, Suite 1111, Boston, MA 02199.

Item 2(c) Citizenship:

Name Citizenship or Place of Organization

Omega FundCayman IslandsOmega GPCayman IslandsOmega Ltd.Cayman IslandsNessiSwitzerlandStampacchiaItaly

Paster United States of America

Item 2(d) Title of class of securities:

Common Stock

Item 2(e) CUSIP No.:

61775R105

Item 3 If this statement is filed pursuant to §§ 240.13d-1(b), or 240.13d-2(b) or (c), check whether the person filings is a:

Not applicable.

Item 4 Ownership

The following information with respect to the ownership of Common Stock of the Issuer by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2021.

Reporting Persons	Shares of Common Stock Held Directly	Sole Voting Power	Shared Voting Power	Sole Dispositive Power	Shared Dispositive Power	Beneficial Ownership	Percentage of Class (1)
Omega Fund(2)(3)	1,200,014	0	1,200,014	0	1,200,014	1,200,014	3.3%
Omega GP(2)(3)	0	0	1,200,014	0	1,200,014	1,200,014	3.3%
Omega Ltd(2)(3)	0	0	1,200,014	0	1,200,014	1,200,014	3.3%
Nessi(2)(3)	0	0	1,200,014	0	1,200,014	1,200,014	3.3%
Stampacchia(2)(3)	0	0	1,200,014	0	1,200,014	1,200,014	3.3%
Paster(2)(3)	0	0	1,200,014	0	1,200,014	1,200,014	3.3%

- (1) The following percentages are based on 36,961,618 shares of Common Stock outstanding as of November 1, 2021 as set forth in the Issuer's most recent Form 10-Q for the period ending September 30, 2021, filed with the Securities and Exchange Commission on November 4, 2021.
- (2) Omega Fund owns 1,200,014 shares of the Common Stock. Omega Ltd serves as the general partner of Omega GP, which serves as the general partner of Omega Fund, and each of Omega GP and Omega Ltd may be deemed to own beneficially the shares held by Omega Fund. Nessi, Stampacchia, and Paster are the directors of Omega Ltd and may be deemed to beneficially own the shares held by Omega Fund. Each of the Reporting Persons disclaims beneficial ownership of the shares of the Issuer's Common Stock held by Omega Fund except to the extent of his, her or its pecuniary interest therein.
- (3) The Reporting Persons may be deemed a "group" for purposes of Section 13 of the Exchange Act and expressly disclaim status as a "group" for purposes of this Schedule 13G.

Item 5 Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following:

Item 6 Ownership of More than Five Percent on Behalf of Another Person

If this statement is being filed to report the fact that as of the date hereof, the Reporting Persons have ceased to be the beneficial owner of more than five percent of the class of securities, check the following: \Box

Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person

Not applicable.

Item 8 Identification and Classification of Members of the Group

Not applicable.

Item 9 Notice of Dissolution of Group

Not applicable.

Item 10 Certifications

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under Rule 14a-11.

SIGNATURES

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 14, 2022

OMEGA FUND V, L.P.

BY: Omega Fund V GP, L.P. ITS: GENERAL PARTNER

BY: Omega Fund V GP Manager, Ltd.

ITS: GENERAL PARTNER

By: /s/ Anne-Mari Paster

Director

OMEGA FUND V GP, L.P.

BY: Omega Fund V GP Manager, Ltd.

ITS: GENERAL PARTNER

By: /s/ Anne-Mari Paster

Director

OMEGA FUND V GP MANAGER, LTD.

By: /s/ Anne-Mari Paster

Director

/s/ Claudio Nessi

Claudio Nessi

/s/ Otello Stampacchia

Otello Stampacchia

/s/ Anne-Mari Paster

Anne-Mari Paster

Exhibit(s):

Exhibit 99.1: Joint Filing Statement Exhibit 99.2: Power of Attorney

AGREEMENT

Pursuant to Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended, the undersigned hereby agree that only one statement containing the information required by Schedule 13G need be filed with respect to the ownership by each of the undersigned of Common Stock of Morphic Holding, Inc.

Dated: February 14, 2022 OMEGA FUND V, L.P. BY: Omega Fund V GP, L.P. ITS: GENERAL PARTNER BY: Omega Fund V GP Manager, Ltd. ITS: GENERAL PARTNER By: /s/ Anne-Mari Paster Director OMEGA FUND V GP, L.P. BY: Omega Fund V GP Manager, Ltd. ITS: GENERAL PARTNER /s/ Anne-Mari Paster Director OMEGA FUND V GP MANAGER, LTD. By: /s/ Anne-Mari Paster Director /s/ Claudio Nessi Claudio Nessi

/s/ Otello Stampacchia
Otello Stampacchia

/s/ Anne-Mari Paster Anne-Mari Paster

POWER OF ATTORNEY

Know all by these presents, that each of the undersigned hereby constitutes and appoints each other undersigned, such person's true and lawful attorney-in-fact, to:

- (1) execute for and on behalf of each of such person Forms 3, 4, and 5 and Schedules 13D or 13G, as appropriate, and any required amendments thereto (collectively, the "Reports"), with respect to their current or future beneficial ownership of securities of any public company, in accordance with Section 13(d) and/or Section 16(a) of the Securities Exchange Act of 1934, as amended, and the respective rules (including Rule 13d-1) promulgated thereunder;
- (2) do and perform any and all acts for and on behalf of such person which may be necessary or desirable to complete and execute any such Report and timely file such form with the United States Securities and Exchange Commission and any stock exchange or similar authority; and
- (3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of an attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, such person, it being understood that the documents executed by an attorney-in-fact on behalf of such person pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

Each of the undersigned hereby grants to each attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that each attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. Each of the undersigned hereby ratifies and confirms each Report that has been signed by any other undersigned prior to the date hereof. Each of the undersigned acknowledges that each foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, is not assuming any of the undersigneds' responsibilities to comply with Section 13(d) or Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until the undersigned are no longer required to file Reports with respect to the undersigneds' current or future holdings of and transactions in securities issued by any public company, unless earlier revoked by the undersigned in a signed writing delivered to each foregoing attorney-in-fact.

[The remainder of this page is intentionally left blank.]

IN WITNESS WHEREOF, the undersigned have caused this Power of Attorney to be executed as of dates set forth opposite their names.

/s/ Otello Stampacchia	Dated: February 14, 2022
Otello Stampacchia	-
/s/ Claudio Nessi	Dated: February 14, 2022
Claudio Nessi	•
/s/ Anne-Mari Paster	Dated: February 14, 2022
Anne-Mari Paster	-
/s/ Deirdre A. Cunnane	Dated: February 14, 2022
Deirdre A. Cunnane	