

## FORM 144

<b>ATTENTION:</b> <i>Transmit for filing 3 copies of this form concurrently with either placing an order with a broker to execute sale or executing a sale directly with a market maker.</i>		
1 (a) NAME OF ISSUER (Please type or print)	(b) IRS IDENT. NO.	(c) S.E.C. FILE NO.

1 (a) NAME OF ISSUER (Please type or print)					
<b>Morphic Holding, Inc.</b>		(b) IRS IDENT. NO. <b>47-3878772</b>	(c) S.E.C. FILE NO. <b>001-38940</b>		WORK LOCATION
1 (d) ADDRESS OF ISSUER		CITY <b>Waltham,</b>	STATE <b>MA</b>	ZIP CODE <b>02451</b>	
<b>35 Gatehouse Drive, A2</b>					
2 (a) NAME OF PERSON FOR WHOSE ACCOUNT THE SECURITIES ARE TO BE SOLD <b>Praveen P Tipirneni</b>		(b) RELATIONSHIP TO ISSUER <b>Affiliate</b>	(c) ADDRESS STREET CITY <b>c/o Morphic Holdings ( see address above )</b>		STATE ZIP CODE

3 (a) Title of the Class of Securities To Be Sold	(b) Name and Address of Each Broker Through Whom the Securities are to be Offered or Each Market Maker who is Acquiring the Securities	SEC USE ONLY		(c) Number of Shares or Other Units To Be Sold (See instr. 3(c))	(d) Aggregate Market Value (See instr. 3(d))	(e) Number of Shares or Other Units Outstanding (See instr. 3(e))	(f) Approximate Date of Sale (See instr. 3(f)) (MO. DAY YR.)	(g) Name of Each Securities Exchange (See instr. 3(g))
		Broker-Dealer File Number						
Common	J.P. Morgan Securities LLC 277 Park Avenue, 13 Floor New York, NY 10172			27,932	\$1,003,317.44*	31,125,106*	02/02/21	NASDAQ
					* As of 02/02/21	* As of 11/05/2020		

1. (a) Name of issuer  
(b) Issuer's I.R.S. Identification Number  
(c) Issuer's S.E.C. file number, if any  
(d) Issuer's address, including zip code  
(e) Issuer's telephone number, including area code
2. (a) Name of person for whose account the securities are to be sold  
(b) Such person's relationship to the issuer (e.g., officer, director, 10% stockholder, or member of immediate family of any of the foregoing)  
(c) Such person's address, including zip code

SEC 1147 (08-07)

**TABLE I - SECURITIES TO BE SOLD**

*Furnish the following information with respect to the acquisition of the securities to be sold and with respect to the payment of all or any part of the purchase price or other consideration therefor:*

Title of the Class	Date you Acquired	Nature of Acquisition Transaction	Name of Person from Whom Acquired (If gift, also give date donor acquired)	Amount of Securities Acquired	Date of Payment	Nature of Payment
common	02/02/21 or within 3 months thereafter	Stock option exercise	Issuer	27,932	see date acq	cash

**INSTRUCTIONS:** If the securities were purchased and full payment therefor was not made in cash at the time of purchase, explain in the table or in a note thereto the nature of the consideration given. If the consideration consisted of any note or other obligation, or if payment was made in installments describe the arrangement and state when the note or other obligation was discharged in full or the last installment paid.

**TABLE II - SECURITIES SOLD DURING THE PAST 3 MONTHS**

*Furnish the following information as to all securities of the issuer sold during the past 3 months by the person for whose account the securities are to be sold.*

Name and Address of Seller	Title of Securities Sold	Date of Sale	Amount of Securities Sold	Gross Proceeds
see attachment				

**REMARKS:**

**INSTRUCTIONS:**

See the definition of "person" in paragraph (a) of Rule 144. Information is to be given not only as to the person for whose account the securities are to be sold but also as to all other persons included in that definition. In addition, information shall be given as to sales by all persons whose sales are required by paragraph (e) of Rule 144 to be aggregated with sales for the account of the person filing this notice.

02/02/21

DATE OF NOTICE

09/30/20

DATE OF PLAN ADOPTION OR GIVING OF INSTRUCTION,  
IF RELYING ON RULE 10B5-1

**ATTENTION:**

*The person for whose account the securities to which this notice relates are to be sold hereby represents by signing this notice that he does not know any material adverse information in regard to the current and prospective operations of the Issuer of the securities to be sold which has not been publicly disclosed. If each person has adopted a written trading plan or given trading instructions to satisfy Rule 10b5-1 under the Exchange Act, by signing the form and indicating the date that the plan was adopted or the instruction given, that person makes such representation as of the plan adoption or instruction date.*

(SIGNATURE)

*The notice shall be signed by the person for whose account the securities are to be sold. At least one copy of the notice shall be manually signed. Any copies not manually signed shall bear typed or printed signatures.*

**ATTENTION: Intentional misstatements or omission of facts constitute Federal Criminal Violations (See 18 U.S.C. 1001)**

**TABLE II - SECURITIES SOLD DURING THE PAST 3 MONTHS**

**For Morphic Holding, Inc.**

<b>Date of Sale</b>	<b>Name of Seller</b>	<b>Title of Securities Sold</b>	<b>Amount of Securities Sold</b>	<b>Gross Proceeds</b>
11/02/20	Praveen R. Tipirneni	Common	7,777	\$ 199,400.72
11/03/20	Praveen R. Tipirneni	Common	2,605	\$ 67,714.11
11/04/20	Praveen R. Tipirneni	Common	6,100	\$ 162,127.63
11/05/20	Praveen R. Tipirneni	Common	6,643	\$ 178,349.27
11/06/20	Praveen R. Tipirneni	Common	4,367	\$ 114,145.08
11/09/20	Praveen R. Tipirneni	Common	2,508	\$ 69,236.60
11/12/20	Praveen R. Tipirneni	Common	460	\$ 13,800.00
11/13/20	Praveen R. Tipirneni	Common	300	\$ 9,000.00
11/16/20	Praveen R. Tipirneni	Common	200	\$ 6,009.00
11/17/20	Praveen R. Tipirneni	Common	2,713	\$ 81,653.70
11/18/20	Praveen R. Tipirneni	Common	327	\$ 9,810.00
12/01/20	Praveen R. Tipirneni	Common	4,000	\$ 124,957.60
12/09/20	Praveen R. Tipirneni	Common	600	\$ 21,292.02
12/16/20	Praveen R. Tipirneni	Common	1,000	\$ 35,203.80
12/21/20	Praveen R. Tipirneni	Common	200	\$ 7,002.00
12/22/20	Praveen R. Tipirneni	Common	2,268	\$ 79,490.28
01/04/21	Praveen R. Tipirneni	Common	2,347	\$ 76,802.05
01/05/21	Praveen R. Tipirneni	Common	1,653	\$ 51,512.93
02/01/21	Praveen R. Tipirneni	Common	4,000	\$ 135,642.00
11/02/20	Praveen P Tipirneni Irrevocable Trust	Common	7,736	\$198,470.17
11/03/20	Praveen P Tipirneni Irrevocable Trust	Common	2,575	\$66,944.85
11/04/20	Praveen P Tipirneni Irrevocable Trust	Common	6,238	\$165,789.20
11/05/20	Praveen P Tipirneni Irrevocable Trust	Common	6,525	\$175,209.95
11/06/20	Praveen P Tipirneni Irrevocable Trust	Common	4,331	\$113,157.34
11/09/20	Praveen P Tipirneni Irrevocable Trust	Common	2,595	\$71,764.98
11/12/20	Praveen P Tipirneni Irrevocable Trust	Common	400	\$12,000.00
11/13/20	Praveen P Tipirneni Irrevocable Trust	Common	341	\$10,235.73
11/16/20	Praveen P Tipirneni Irrevocable Trust	Common	200	\$6,009.00
11/17/20	Praveen P Tipirneni Irrevocable Trust	Common	2,717	\$81,787.95
11/18/20	Praveen P Tipirneni Irrevocable Trust	Common	342	\$10,260.00
12/01/20	Praveen P Tipirneni Irrevocable Trust	Common	4,000	\$124,961.20
12/09/20	Praveen P Tipirneni Irrevocable Trust	Common	6,427	\$227,606.42
12/16/20	Praveen P Tipirneni Irrevocable Trust	Common	1,259	\$44,229.80
12/21/20	Praveen P Tipirneni Irrevocable Trust	Common	240	\$8,401.99
12/22/20	Praveen P Tipirneni Irrevocable Trust	Common	74	\$2,590.00
01/04/21	Praveen P Tipirneni Irrevocable Trust	Common	2,396	\$78,514.28
01/05/21	Praveen P Tipirneni Irrevocable Trust	Common	1,604	\$49,951.45
02/01/21	Praveen P Tipirneni Irrevocable Trust	Common	4,000	\$135,702.00