

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

**FORM S-8  
REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933**

**Motus GI Holdings, Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**

(State or other jurisdiction of  
incorporation or organization)

**81-4042793**

(I.R.S. Employer  
Identification No.)

**1301 East Broward Boulevard, 3rd Floor  
Ft. Lauderdale, FL 33301**  
(Address of Principal Executive Offices) (Zip Code)

**Motus GI Holdings, Inc. 2016 Equity Incentive Plan and  
2016 Israeli Sub-Plan to the Motus GI Holdings, Inc. 2016 Equity Incentive Plan**  
(Full title of the plans)

**Timothy P. Moran  
Chief Executive Officer  
Motus GI Holdings, Inc.**

**1301 East Broward Boulevard, 3<sup>rd</sup> Floor  
Ft. Lauderdale, FL 33301  
Telephone: (954) 541-8000**  
(Name, address, including zip code, and telephone number, including area code, of agent for service)

*Please send copies of all communications to:*

**Steven M. Skolnick, Esq.  
Michael J. Lerner, Esq.  
Lowenstein Sandler LLP  
1251 Avenue of the Americas  
New York, NY 10020  
Telephone: (212) 262-6700**

Indicate by check mark whether the Registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input checked="" type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

**PART I**

**EXPLANATORY NOTE**

Pursuant to General Instruction E to Form S-8 under the Securities Act, this Registration Statement is filed by Motus GI Holdings, Inc. (the "**Company**") for the purpose of registering additional shares of the Company's common stock, par value \$0.0001 per share (the "**Common Stock**") under the Company's 2016 Equity Incentive Plan and 2016 Israeli Sub-Plan to the Company's 2016 Equity Incentive Plan, as amended (the "**2016 Plan**"). The number of shares of Common Stock available for issuance under the 2016 Plan is subject to an automatic annual increase on January 1 of each year beginning in 2018 and ending on (and including) January 1, 2026, equal to six percent (6%) of the total number of shares of Common Stock outstanding on December 31st of the preceding calendar year, or a lesser number of shares of Common Stock determined by the board of directors of the Company (the "**Evergreen Provision**"). This Registration Statement registers an aggregate of 279,586 additional shares of Common Stock available for issuance under the 2016 Plan as a result of the Evergreen Provision.

The shares of Common Stock registered pursuant to this Registration Statement are of the same class of securities as the 132,062 shares of Common Stock registered for issuance under the 2016 Plan pursuant to the currently effective Registration Statement on Form S-8 (Registration No. 333-224003) filed on March 29, 2018, the 64,320 shares of Common Stock registered for issuance under the 2016 Plan pursuant to the currently effective Registration Statement on Form S-8 (Registration No. 333-230506) filed on March 26, 2019, the 86,433 shares of Common Stock registered for issuance under the 2016 Plan pursuant to the currently effective Registration Statement on Form S-8 (Registration No. 333-237476) filed on March 30, 2020, the 96,816 shares of Common Stock registered for issuance under the 2016 Plan pursuant to the currently effective

Registration Statement on Form S-8 (Registration No. 333-254344) filed on March 16, 2021, and the 145,150 shares of Common Stock registered for issuance under the 2016 Plan pursuant to the currently effective Registration Statement on Form S-8 (Registration No. 333-263940) filed on March 29, 2022.

The information contained in the Company's Registration Statements on Form S-8 (Registration Nos. 333-224003, 333-230506, 333-237476, 333-254344 and 333-263940) is hereby incorporated by reference pursuant to General Instruction E. Any items in the Company's Registration Statements on Form S-8 (Registration Nos. 333-224003, 333-230506, 333-237476, 333-254344 and 333-263940) not expressly changed hereby shall be as set forth in the Company's Registration Statements on Form S-8 (Registration Nos. 333-224003, 333-230506, 333-237476, 333-254344 and 333-263940).

## PART II

### Information Required in the Registration Statement

#### Item 3. Incorporation of Documents by Reference.

The following documents filed by the Company with the Commission pursuant to the Securities Act and the Securities Exchange Act of 1934, as amended (the "*Exchange Act*"), are incorporated herein by reference:

- (a) the Company's latest annual report on [Form 10-K](#) filed pursuant to Section 13(a) or 15(d) of the Exchange Act for the fiscal year ended December 31, 2022, as filed with the Commission on March 31, 2023;
- (b) the Company's Current Report on Form 8-K filed with the SEC on January 4, 2023 and [March 14, 2023](#) (other than any portions thereof deemed furnished and not filed);
- (c) the description of the Company's common stock contained in the Company's Registration Statement on Form 8-A (Registration No. 001-38389) filed with the Commission on [February 6, 2018](#) under Section 12(b) of the Exchange Act, including any amendments or reports filed for the purpose of updating such description.

All documents filed by the Company pursuant to Section 13(a), 13(c), 14, or 15(d) of the Exchange Act subsequent to the filing of this Registration Statement and prior to the filing of a post-effective amendment, which indicates that all securities offered hereby have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference into this Registration Statement and to be a part hereof from the date of filing such documents, except as to specific sections of such documents as set forth therein. Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be modified or superseded for purposes of this Registration Statement to the extent that a statement contained in any subsequently filed document, which also is deemed to be incorporated by reference herein, modifies or supersedes such statement.

#### Item 8. Exhibits.

For a list of exhibits, see the Exhibit Index in this Registration Statement, which is incorporated into this Item by reference.

### EXHIBIT INDEX

Exhibit Number	Exhibit Description	Incorporated by Reference				Filed Herewith
		Form	File No.	Exhibit	Filing Date	
4.1	<a href="#">Certificate of Incorporation</a>	S-1	333-222441	3.1	1/5/2018	
4.2	<a href="#">Certificate of Amendment to the Certificate of Incorporation</a>	S-1	333-222441	3.2	1/5/2018	
4.3	<a href="#">Certificate of Amendment to the Certificate of Incorporation</a>	8-K	001-38389	3.1	8/14/2020	
4.4	<a href="#">Certificate of Amendment to the Certificate of Incorporation</a>	8-K	001-38389	3.1	7/26/2022	
4.5	<a href="#">Bylaws, as amended and as currently in effect</a>	8-K	001-38389	3.1	11/14/2022	
4.6	<a href="#">Form of Common Stock Certificate</a>	S-1	333-222441	4.1	1/5/2018	
5.1	<a href="#">Opinion of Lowenstein Sandler LLP</a>					X
23.1	<a href="#">Consent of EisnerAmper LLP</a>					X
23.3	<a href="#">Consent of Lowenstein Sandler LLP (included in Exhibit 5.1)</a>					X
24.1	<a href="#">Power of Attorney (included on the signature page)</a>					X
99.1	<a href="#">2016 Equity Incentive Plan and 2016 Israeli Sub-Plan</a>	S-1	333-222441	10.4	1/5/2018	
99.2	<a href="#">Amendment to the 2016 Equity Incentive Plan and 2016 Israeli Sub-Plan</a>	8-K	001-38389	10.1	8/14/2020	
99.3	<a href="#">Form of Incentive Stock Option Agreement</a>	S-1	333-222441	10.5	1/5/2018	
99.4	<a href="#">Form of Non-Qualified Stock Option Agreement</a>	S-1	333-222441	10.6	1/5/2018	
99.5	<a href="#">Form of Restricted Stock Agreement</a>	S-1	333-222441	10.7	1/5/2018	
99.6	<a href="#">Form of Assumed Options to Israeli Employees and Directors Agreement</a>	S-1	333-222441	10.8	1/5/2018	
99.7	<a href="#">Form of Assumed Options to Israeli Non-Employees and Controlling Shareholders Agreement</a>	S-1	333-222441	10.9	1/5/2018	
99.8	<a href="#">Form of Israeli Option Grant to Israeli Employees and Directors Agreement</a>	S-1	333-222441	10.10	1/5/2018	

99.9	<a href="#">Form of Israeli Option Grant to Israeli Non-Employees and Controlling Shareholders Agreement</a>	S-1	333-222441	10.11	1/5/2018
99.10	<a href="#">Form of Restricted Stock Unit Award Agreement</a>	10-K	001-38389	10.22	3/26/2019
107.1	<a href="#">Filing Fees Exhibit</a>				X

### SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the Ft. Lauderdale, State of Florida on April 3, 2023.

#### MOTUS GI HOLDINGS, INC.

By: /s/ Timothy P. Moran  
Timothy P. Moran  
Chief Executive Officer

### POWER OF ATTORNEY AND SIGNATURES

KNOW ALL PERSONS BY THESE PRESENTS, that the undersigned officers and directors of Motus GI Holdings, Inc., a Delaware corporation, do hereby constitute and appoint each of Timothy P. Moran and Andrew Taylor as his or her true and lawful attorney-in-fact and agent, with full power of substitution and re-substitution, for him and in his name, place, and stead, in any and all capacities, to sign any and all amendments to this registration statement (including post-effective amendments to this Registration Statement on Form S-8), and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorney-in-fact and agent, or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed by the following persons on behalf of the registrant in the capacities and on the dates indicated.

Person	Capacity	Date
<u>/s/ Timothy P. Moran</u> Timothy P. Moran	Chief Executive Officer and Director (Principal Executive Officer)	April 3, 2023
<u>/s/ Andrew Taylor</u> Andrew Taylor	Chief Financial Officer (Principal Financial and Accounting Officer)	April 3, 2023
<u>/s/ David Hochman</u> David Hochman	Chairman of the Board	April 3, 2023
<u>/s/ Mark Pomeranz</u> Mark Pomeranz	President, Chief Operating Officer, and Director	April 3, 2023
<u>/s/ Darren Sherman</u> Darren Sherman	Director	April 3, 2023
<u>/s/ Sonja Nelson</u> Sonja Nelson	Director	April 3, 2023
<u>/s/ Shervin Korangy</u> Shervin Korangy	Director	April 3, 2023
<u>/s/ Gary Pruden</u> Gary Pruden	Director	April 3, 2023

April 3, 2023  
Motus GI Holdings, Inc.  
1301 East Broward Boulevard, 3rd Floor  
Ft. Lauderdale, FL, 33301  
Ladies and Gentlemen:

We have acted as counsel to Motus GI Holdings, Inc., a Delaware corporation (the "Company"), in connection with the Company's filing on the date hereof with the Securities and Exchange Commission (the "Commission") of a Registration Statement on Form S-8 (the "Registration Statement") under the Securities Act of 1933, as amended (the "Securities Act"). The Registration Statement relates to the registration of 279,586 shares (the "Shares") of the Company's common stock, par value \$0.0001 per share (the "Common Stock"), issuable pursuant to the Motus GI Holdings, Inc. 2016 Equity Incentive Plan and 2016 Israeli Sub-Plan to the Motus GI Holdings, Inc. 2016 Equity Incentive Plan, as amended (the "Plan").

In connection with rendering this opinion, we have examined or are familiar with the Registration Statement and related prospectuses, the Plan, the Company's Certificate of Incorporation, as amended (the "Certificate of Incorporation"), the By-Laws of the Company, the corporate proceedings with respect to the authorization of the Registration Statement, and such other certificates, instruments and documents as we have considered necessary or appropriate for purposes of this opinion. In such examination, we have assumed the genuineness of all signatures, the authenticity of all documents submitted to us as originals, conformity to the original documents of all documents submitted to us as copies and the authenticity of the originals of such latter documents. As to any facts material to our opinion, we have, when relevant facts were not independently established, relied upon the Registration Statement and the aforesaid records, certificates and documents.

We assume that the Company has sufficient unissued and unreserved shares of Common Stock (or will validly amend the Certificate of Incorporation, to authorize a sufficient number of shares of Common Stock prior to the issuance thereof) available for issuance as provided in the Registration Statement and any related amendment thereto or prospectus supplement.

Based upon such examination and review, we are of the opinion that the Shares, upon issuance and delivery as contemplated by the Plan, will be validly issued, fully paid and nonassessable outstanding shares of Common Stock.

The opinion expressed herein is limited to the General Corporation Law of the State of Delaware (including the statutory provisions, all applicable provisions of the Delaware Constitution and reported judicial decisions interpreting the foregoing) and we express no opinion as to the effect on the matters covered by this letter of the laws of any other jurisdiction. We assume no obligation to advise you of facts or circumstances that come to our attention or changes in law that occur which could affect the opinions contained herein.

We hereby consent to the filing of this letter as an exhibit to the Registration Statement. In giving this consent, we do not admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act, or the rules and regulations of the Commission promulgated thereunder.

Very truly yours,

By: /s/ Lowenstein Sandler LLP  
Lowenstein Sandler LLP

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**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We consent to the incorporation by reference in this Registration Statement of Motus GI Holdings, Inc. on Form S-8 to be filed on or about March 31, 2023 of our report dated March 31, 2023, on our audits of the financial statements as of December 31, 2022 and 2021 and for each of the years then ended, which report was included in the Annual Report on Form 10-K filed March 31, 2023. Our report includes an explanatory paragraph about the existence of substantial doubt concerning the Company's ability to continue as a going concern.

*/s/ EisnerAmper LLP*

EISNERAMPER LLP  
Philadelphia, Pennsylvania  
March 31, 2023

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## CALCULATION OF FILING FEE TABLE

Form S-8  
(Form Type)

Motus GI Holdings, Inc.  
(Exact Name of Registrant as Specified in its Charter)

Table 1: Newly Registered Securities

Security Type	Title of securities to be registered	Fee Calculation Rule	Amount to be registered <sup>(1)</sup>	Proposed maximum offering price per share <sup>(2)</sup>	Proposed maximum aggregate offering price <sup>(2)</sup>	Fee Rate	Amount of registration fee <sup>(2)</sup>
Equity	Common stock, \$0.0001 par value per share <sup>(3)</sup>	Rule 457(c) and Rule 457(h)	279,586	\$ 0.815	\$ 227,862.59	0.00011020	\$ 25.11
	Total Offering Amounts				\$ 227,862.59		
	Total Fee Offsets <sup>(4)</sup>						-
	Net Fee Due						\$ 25.11

- (1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement shall also cover any additional shares of the Registrant's common stock that become issuable under the Registrant's 2016 Equity Incentive Plan and 2016 Israeli Sub-Plan to the Motus GI Holdings, Inc. 2016 Equity Incentive Plan (the "2016 Plan") in respect of the securities identified in the above table by reason of any stock dividend, stock split, recapitalization, or other similar transaction effected without the Registrant's receipt of consideration that increases the number of the outstanding shares of the Registrant's common stock.
- (2) Pursuant to Rules 457(c) and (h) under the Securities Act, the proposed maximum offering price per share and the proposed maximum aggregate offering price are estimated for the purpose of calculating the amount of the registration fee and are based on the average of the high and low sales price of the Registrant's common stock as reported on the NASDAQ Stock Market on March 24, 2023.
- (3) Represents an automatic annual increase on January 1, 2023 to the number of shares of the Registrant's common stock reserved for issuance under the Plan, which annual increase is provided for in the Plan.
- (4) The Registrant does not have any fee offsets.