

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934  
(Amendment No. 6)\*

**MOMENTUS INC.**

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(Name of Issuer)

**Common Stock, par value \$0.00001 per share**

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(Title of Class of Securities)

**60879E 101**

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(CUSIP Number)

**Taylor Frankel  
c/o Prime Movers Lab  
P.O. Box 12829  
Jackson, WY 83002  
307-203-5036**

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(Name, Address and Telephone Number of Person  
Authorized to Receive Notices and Communication)

**September 7, 2023**

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(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §240.13d-1(e), §240.13d-1(f) or §240.13d-1(g), check the following box: [ ]

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).

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<b>1</b>	NAMES OF REPORTING PERSONS  Prime Movers Lab Fund I LP		
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) <input checked="" type="checkbox"/> (b) <input type="checkbox"/>
<b>3</b>	SEC USE ONLY		
<b>4</b>	SOURCE OF FUNDS (See Instructions)  WC		
<b>5</b>	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)		<input type="checkbox"/>
	Not Applicable		
<b>6</b>	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	<b>7</b>	SOLE VOTING POWER  -0-	
	<b>8</b>	SHARED VOTING POWER  222,364	
	<b>9</b>	SOLE DISPOSITIVE POWER  -0-	
	<b>10</b>	SHARED DISPOSITIVE POWER  222,364	
<b>11</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  222,364		
<b>12</b>	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)		<input type="checkbox"/>
<b>13</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  11.4%(1)		
<b>14</b>	TYPE OF REPORTING PERSON (See Instructions)  PN		

<sup>1</sup> The percentages used herein and in the rest of this Schedule 13D calculated based on the approximately 1,957,307 shares of common stock outstanding as of August 23, 2023, as reported in the Issuer's Registration Statement on Form 8-K filed with the Securities and Exchange Commission on August 22, 2023.

<b>1</b>	NAMES OF REPORTING PERSONS  Momentum PML SPV 1 LP		
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) <input checked="" type="checkbox"/> (b) <input type="checkbox"/>
<b>3</b>	SEC USE ONLY		
<b>4</b>	SOURCE OF FUNDS (See Instructions)  WC		
<b>5</b>	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)		<input type="checkbox"/>
	Not Applicable		
<b>6</b>	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	<b>7</b>	SOLE VOTING POWER  -0-	
	<b>8</b>	SHARED VOTING POWER  88,142	
	<b>9</b>	SOLE DISPOSITIVE POWER  -0-	
	<b>10</b>	SHARED DISPOSITIVE POWER  88,142	
<b>11</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  88,142		
<b>12</b>	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)		<input type="checkbox"/>
<b>13</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  4.5%		
<b>14</b>	TYPE OF REPORTING PERSON (See Instructions)  PN		

<b>1</b>	NAMES OF REPORTING PERSONS  Momentum PML SPV 2 LP	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input checked="" type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	SOURCE OF FUNDS (See Instructions)  WC	
<b>5</b>	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) <input type="checkbox"/>  Not Applicable	
<b>6</b>	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	<b>7</b>	SOLE VOTING POWER  -0-
	<b>8</b>	SHARED VOTING POWER  17,367
	<b>9</b>	SOLE DISPOSITIVE POWER  -0-
	<b>10</b>	SHARED DISPOSITIVE POWER  17,367
<b>11</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  17,367	
<b>12</b>	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions) <input type="checkbox"/>	
<b>13</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  0.9%	
<b>14</b>	TYPE OF REPORTING PERSON (See Instructions)  PN	

<b>1</b>	NAMES OF REPORTING PERSONS  Momentum PML SPV 3 LP		
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) <input checked="" type="checkbox"/> (b) <input type="checkbox"/>
<b>3</b>	SEC USE ONLY		
<b>4</b>	SOURCE OF FUNDS (See Instructions)  WC		
<b>5</b>	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)		<input type="checkbox"/>
	Not Applicable		
<b>6</b>	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	<b>7</b>	SOLE VOTING POWER  -0-	
	<b>8</b>	SHARED VOTING POWER  43,075	
	<b>9</b>	SOLE DISPOSITIVE POWER  -0-	
	<b>10</b>	SHARED DISPOSITIVE POWER  43,075	
<b>11</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  43,075		
<b>12</b>	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)		<input type="checkbox"/>
<b>13</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  2.2%		
<b>14</b>	TYPE OF REPORTING PERSON (See Instructions)  PN		

<b>1</b>	NAMES OF REPORTING PERSONS  Prime Movers Growth Fund I LP		
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) <input checked="" type="checkbox"/> (b) <input type="checkbox"/>
<b>3</b>	SEC USE ONLY		
<b>4</b>	SOURCE OF FUNDS (See Instructions)  WC		
<b>5</b>	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)		<input type="checkbox"/>
	Not Applicable		
<b>6</b>	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	<b>7</b>	SOLE VOTING POWER  -0-	
	<b>8</b>	SHARED VOTING POWER  37,159 <sup>(2)</sup>	
	<b>9</b>	SOLE DISPOSITIVE POWER  -0-	
	<b>10</b>	SHARED DISPOSITIVE POWER  37,159 <sup>(2)</sup>	
<b>11</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  37,159 <sup>(2)</sup>		
<b>12</b>	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)		<input type="checkbox"/>
<b>13</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  1.0%		
<b>14</b>	TYPE OF REPORTING PERSON (See Instructions)  PN		

<sup>2</sup> Includes (i) 17,159 shares held by Prime Movers Growth Fund I LP ("PM Growth"), and (ii) a warrant to purchase 20,000 shares that is exercisable within 60 days of September 13, 2023.

<b>1</b>	NAMES OF REPORTING PERSONS  Prime Movers Lab GP I LLC	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input checked="" type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	SOURCE OF FUNDS (See Instructions)  AF	
<b>5</b>	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) <input type="checkbox"/>  Not Applicable	
<b>6</b>	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	<b>7</b>	SOLE VOTING POWER  -0-
	<b>8</b>	SHARED VOTING POWER  310,506(3)
	<b>9</b>	SOLE DISPOSITIVE POWER  -0-
	<b>10</b>	SHARED DISPOSITIVE POWER  310,506(3)
<b>11</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  310,506(3)	
<b>12</b>	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions) <input type="checkbox"/>	
<b>13</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  15.9%	
<b>14</b>	TYPE OF REPORTING PERSON (See Instructions)  OO	

3 Includes (i) 222,364 shares held by Prime Movers Lab Fund I LP ("PML"), and (ii) 88,142 shares held of record by Momentus PML SPV 1 LP ("PML SPV 1"), Prime Movers Lab GP I LLC ("PML GP"), is the general partner of PML and PML SPV 1. Dakin Sloss is the manager of PML GP and may be deemed to have or share beneficial ownership of the shares held by PML and PML SPV 1.

<b>1</b>	NAMES OF REPORTING PERSONS  Prime Movers Lab GP II LLC	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input checked="" type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	SOURCE OF FUNDS (See Instructions)  AF	
<b>5</b>	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) <input type="checkbox"/>  Not Applicable	
<b>6</b>	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	<b>7</b>	SOLE VOTING POWER  -0-
	<b>8</b>	SHARED VOTING POWER  60,442(4)
	<b>9</b>	SOLE DISPOSITIVE POWER  -0-
	<b>10</b>	SHARED DISPOSITIVE POWER  60,442(4)
<b>11</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  60,442(4)	
<b>12</b>	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions) <input type="checkbox"/>	
<b>13</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  3.1%	
<b>14</b>	TYPE OF REPORTING PERSON (See Instructions)  OO	

4 Includes (i) 17,367 shares held of record by Momentus PML SPV 2 LP ("PML SPV 2") and (ii) 43,075 shares held of record by Momentus PMS SPV3 LP ("PML SPV 3"). Prime Movers Lab GP II LLC ("PML GP II") is the general partner of PML SPV 2 and PML SPV 3. Dakin Sloss is the manager of PML GP II and may be deemed to have or share beneficial ownership of the shares held by PML SPV 2 and PML SPV 3.



<b>1</b>	NAMES OF REPORTING PERSONS  Prime Movers Growth GP I LLC	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input checked="" type="checkbox"/> (b) <input type="checkbox"/>	
<b>3</b>	SEC USE ONLY	
<b>4</b>	SOURCE OF FUNDS (See Instructions)  AF	
<b>5</b>	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) <input type="checkbox"/>  Not Applicable	
<b>6</b>	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	<b>7</b>	SOLE VOTING POWER  -0-
	<b>8</b>	SHARED VOTING POWER  37,159 <sup>(5)</sup>
	<b>9</b>	SOLE DISPOSITIVE POWER  -0-
	<b>10</b>	SHARED DISPOSITIVE POWER  37,159 <sup>(5)</sup>
<b>11</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  37,159 <sup>(5)</sup>	
<b>12</b>	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions) <input type="checkbox"/>	
<b>13</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  1.9%	
<b>14</b>	TYPE OF REPORTING PERSON (See Instructions)  OO	

5 Includes (i) 17,159 shares held by Prime Movers Growth Fund I LP ("PM Growth") and (ii) a warrant to purchase 20,000 shares that is exercisable within 60 days of September 13, 2023. Prime Movers Growth GP I LLC ("PM Growth GP"), is the general partner of PM Growth. Dakin Sloss is the manager of PM Growth GP and may be deemed to have or share beneficial ownership of the shares held by PM Growth.

<b>1</b>	NAMES OF REPORTING PERSONS  Dakin Sloss		
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) <input checked="" type="checkbox"/> (b) <input type="checkbox"/>
<b>3</b>	SEC USE ONLY		
<b>4</b>	SOURCE OF FUNDS (See Instructions)  AF		
<b>5</b>	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)		<input type="checkbox"/>
	Not Applicable		
<b>6</b>	CITIZENSHIP OR PLACE OF ORGANIZATION  United States		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	<b>7</b>	SOLE VOTING POWER  -0-	
	<b>8</b>	SHARED VOTING POWER  408,107(6)	
	<b>9</b>	SOLE DISPOSITIVE POWER  -0-	
	<b>10</b>	SHARED DISPOSITIVE POWER  408,107(6)	
<b>11</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  408,107(6)		
<b>12</b>	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)		<input type="checkbox"/>
<b>13</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  20,9%		
<b>14</b>	TYPE OF REPORTING PERSON (See Instructions)  IN		

6 Includes (i) 222,364 shares held by Prime Movers Lab Fund I LP ("PML"), (ii) 88,142 shares held of record by Momentus PML SPV 1 LP ("PML SPV 1"), (iii) 17,367 shares held of record by Momentus PML SPV 2 LP ("PML SPV 2"), (iv) 43,075 shares held of record by Momentus PMS SPV3 LP ("PML SPV 3"), (v) 17,159 shares held by Prime Movers Growth Fund I LP ("PM Growth"), and (vi) a warrant to purchase 20,000 shares that is exercisable within 60 days of September 13, 2023. Prime Movers Lab GP I LLC ("PML GP") is the general partner of PML and PML SPV 1. Prime Movers Lab GP II LLC ("PML GP II") is the general partner of PML SPV 2 and PML SPV 3. Prime Movers Growth GP I LLC ("PM Growth GP") is the general partner of PM Growth. Dakin Sloss is the manager of PML GP, PML GP II and PM Growth GP and may be deemed to have or share beneficial ownership of the shares held by PML, PML SPV 1, PML SPV 2, PML SPV 3 and PM Growth.

## EXPLANATORY NOTE

This Amendment No. 6 (this “Amendment No. 6”) to the Statement on Schedule 13D (as amended, the “Statement”) is being filed with the Securities and Exchange Commission (the “Commission”) relating to the common stock, par value \$.00001 per share of Momentus Inc., a corporation organized under the laws of the state of Delaware (the “Issuer”). This Amendment amends and supplements the Statement originally filed on October 8, 2021 with the Commission. Unless otherwise defined herein, capitalized terms used herein shall have the meanings ascribed thereto in the Statement. Except as otherwise provided herein, each Item of the Schedule 13D remains unchanged.

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## SIGNATURES

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

Date: September 13, 2023

PRIME MOVERS LAB FUND I LP  
MOMENTUS PML SPV 1 LP

By: Prime Movers Lab GP I LLC, General Partner

By: /s/ Taylor Frankel

Name: Taylor Frankel

Title: Authorized Person

PRIME MOVERS LAB GP I LLC

By: /s/ Taylor Frankel

Name: Taylor Frankel

Title: Authorized Person

MOMENTUS PML SPV 2 LP  
MOMENTUS PML SPV 3 LP

By: Prime Movers Lab GP II LLC, General Partner

By: /s/ Taylor Frankel

Name: Taylor Frankel

Title: Authorized Person

PRIME MOVERS LAB GP II LLC

By: /s/ Taylor Frankel

Name: Taylor Frankel

Title: Authorized Person

PRIME MOVERS GROWTH FUND I  
LP

By: Prime Movers Growth GP I LLC, General Partner

By: /s/ Taylor Frankel

Name: Taylor Frankel

Title: Authorized Person

PRIME MOVERS GROWTH GP I LLC

By: /s/ Taylor Frankel

Name: Taylor Frankel

Title: Authorized Person

DAKIN SLOSS

/s/ Dakin Sloss

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**JOINT FILING AGREEMENT**  
PURSUANT TO RULE 13D-1(K)(1)

The undersigned acknowledge and agree that the Statement on Schedule 13D filed with the Securities and Exchange Commission on or about the date hereof with respect to the beneficial ownership by the undersigned of the Common Stock, par value \$0.00001 per share, of Momentus Inc., a Delaware corporation, is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13D shall be filed on behalf of each of the undersigned that is named as a reporting person in such filing without the necessity of filing an additional joint filing agreement. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning it contained therein, but shall not be responsible for the completeness and accuracy of the information concerning the others, except to the extent that it knows or has reason to believe that such information is inaccurate. This joint filing agreement may be executed in any number of counterparts and all of such counterparts taken together shall constitute one and the same instrument.

Dated: September 13, 2023

PRIME MOVERS LAB FUND I LP  
MOMENTUS PML SPV 1 LP

By: Prime Movers Lab GP I LLC, General Partner

By: /s/ Taylor Frankel

Name: Taylor Frankel

Title: Authorized Person

PRIME MOVERS LAB GP I LLC

By: /s/ Taylor Frankel

Name: Taylor Frankel

Title: Authorized Person

MOMENTUS PML SPV 2 LP  
MOMENTUS PML SPV 3 LP

By: Prime Movers Lab GP II LLC, General Partner

By: /s/ Taylor Frankel

Name: Taylor Frankel

Title: Authorized Person

PRIME MOVERS LAB GP II LLC

By: /s/ Taylor Frankel

Name: Taylor Frankel

Title: Authorized Person

PRIME MOVERS GROWTH FUND I  
LP

By: Prime Movers Growth GP I LLC, General Partner

By: /s/ Taylor Frankel

Name: Taylor Frankel

Title: Authorized Person

PRIME MOVERS GROWTH GP I LLC

By: /s/ Taylor Frankel

Name: Taylor Frankel

Title: Authorized Person

DAKIN SLOSS

