UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

SCHEDULE 13D

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

MOMENTUS INC.

(Name of Issuer)

Common Stock, par value \$0.00001 per share

(Title of Class of Securities)

60879E 101

(CUSIP Number)

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

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

September 7, 2023

(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).

CUSIP No. 60879E 101 SCHEDULE 13D

1	NAMES OF	DEDOD'	TINC DEDCONC					
1	NAMES OF	KEPUK	TING PERSONS					
	Prime	Prime Movers Lab Fund I LP						
2	CHECK THI	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠						
				(b) □				
3	SEC USE OF	NLY						
4	SOURCE OF	FUND	S (See Instructions)					
	WC							
5	CHECK IF I	DISCLOS	SURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d)					
3	OR 2(e)							
		Applicab						
6	CITIZENSH	IP OR P	LACE OF ORGANIZATION					
	Delaw	vare						
		7	SOLE VOTING POWER					
			-0-					
			CHARLES MOTING BOWER					
	MBER OF	8	SHARED VOTING POWER					
BENE	HARES EFICIALLY		222,364					
	'NED BY REPORTING SON WITH	9	SOLE DISPOSITIVE POWER					
			-0-					
		40						
		10	SHARED DISPOSITIVE POWER					
			222,364					
11	AGGREGAT	E AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
	222,30	64						
12	12 CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)							
13	PERCENT C	OF CLAS	S REPRESENTED BY AMOUNT IN ROW (11)					
	11.4%	6 <u>(1)</u>						
14	TVDE OE DI	TD∩DTII	NG PERSON (See Instructions)					
14		Lr OKIII	NO 1 EROON (See Histractions)					
	PN	PN						

¹ 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.

CUSIP No. 60879E 101 SCHEDULE 13D

1	NAMES OF	NAMES OF REPORTING PERSONS					
	Mom	Momentus PML SPV 1 LP					
2	CHECK THI	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (b) (b)					
3	SEC USE Of	NLY					
4	SOURCE OF	FUND	S (See Instructions)				
	WC						
5	CHECK IF I OR 2(e)	DISCLOS	SURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d)				
	Not A	Applicab	le				
6	CITIZENSH	IP OR P	LACE OF ORGANIZATION				
	Delaw	vare					
		7	SOLE VOTING POWER				
			-0-				
NUN	MBER OF	8	SHARED VOTING POWER				
SI BENE	HARES FICIALLY		88,142				
	NED BY REPORTING	9	SOLE DISPOSITIVE POWER				
PERS	ON WITH		-0-				
		10	CHARLE DICEOCUTATE BOLVED				
		10	SHARED DISPOSITIVE POWER				
			88,142				
11	AGGREGAT	E AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	88,14	2					
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See						
	Instructions)						
13	PERCENT C	F CLAS	SS REPRESENTED BY AMOUNT IN ROW (11)				
	4.5%						
1.4	TVDE OF DE	יייים אור	NC DEDCON (See Instructions)				
14	I YPE OF RI	LPUKIII	NG PERSON (See Instructions)				
	PN						

CUSIP No. 60879E 101

SCHEDULE 13D

1	NAMES OF	NAMES OF REPORTING PERSONS							
	Mom	entus PN	ML SPV 2 LP						
2	CHECK THI	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠ (b) □							
3	SEC USE OF	SEC USE ONLY							
4	SOURCE OF	FUND	S (See Instructions)						
	WC								
5	CHECK IF I OR 2(e)	DISCLO	SURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d)						
	, ,	Applicab	ام						
6			LACE OF ORGANIZATION						
	Delaw	vare							
		7	SOLE VOTING POWER						
			-0-						
NUN	MBER OF	8	SHARED VOTING POWER						
SI BENE	HARES EFICIALLY /NED BY REPORTING SON WITH		17,367						
EACH I		9	SOLE DISPOSITIVE POWER						
PERS			-0-						
		10	SHARED DISPOSITIVE POWER						
			17,367						
11	AGGREGAT	E AMO	L UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON						
	17,36	7							
12	12 CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)								
	mod decions)								
13	PERCENT C	OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (11)						
	0.9%								
14	TYPE OF RI	EPORTI	NG PERSON (See Instructions)						
	PN								

CUSIP No. 60879E 101

1	NAMES OF	REPOR'	TING PERSONS					
	Mom	Momentus PML SPV 3 LP						
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (a)							
·				(b) □				
3	SEC USE OF	NLY						
4	SOURCE OF	F FUND	S (See Instructions)					
	WC							
5	CHECK IF I OR 2(e)	DISCLO	SURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d)					
		Applicab						
6	CITIZENSH	IP OR P	LACE OF ORGANIZATION					
	Delav	vare						
		7	SOLE VOTING POWER					
			-0-					
		8	SHARED VOTING POWER					
	MBER OF HARES	o						
BENE	FICIALLY		43,075					
	NED BY REPORTING SON WITH	9	SOLE DISPOSITIVE POWER					
PERS			-0-					
		10	SHARED DISPOSITIVE POWER					
			43,075					
11	AGGREGAT	E AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
	43,07	5						
	СНЕСК ІЕ Т	THE AC	GREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See					
12	Instructions)	TIL TIO	ORLONIE MNOONT IN NOW (11) EXCEODES CENTRIN SIMILES (See					
13	PERCENT C	OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (11)					
	2.2%							
14	TYPE OF RI	EPORTI	NG PERSON (See Instructions)					
	PN	PN						

SCHEDULE 13D

NAMES OF	DEDOD'	TINC DEDCONC					
NAMES OF REPORTING PERSONS							
Prime	Prime Movers Growth Fund I LP						
CHECK THI	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠						
			(b) □				
SEC USE OF	NLY						
SOURCE OF	F FUND	S (See Instructions)					
WC							
	DISCLO	SURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d)					
OR 2(e)							
Delaw	vare						
	7	SOLE VOTING POWER					
		-0-					
∕/BFR ∩F	8	SHARED VOTING POWER					
HARES		37,159 <u>(2)</u>					
NED BY	a	SOLE DISPOSITIVE POWER					
	3						
		-0-					
	10	SHARED DISPOSITIVE POWER					
		37,159 <u>(2)</u>					
AGGREGAT	E AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
37,159 <u>(2)</u>							
CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See							
Instructions)							
PERCENT C	OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (11)					
1.0%							
TYPE OF RI	EPORTI	NG PERSON (See Instructions)					
PN	PN						
	CHECK THI SEC USE OF SOURCE OF WC CHECK IF IT OR 2(e) Not A CITIZENSH Delaw MBER OF HARES EFICIALLY NED BY REPORTING SON WITH AGGREGAT 37,15 CHECK IF T Instructions) PERCENT C 1.0% TYPE OF RE	CHECK THE APPRO SEC USE ONLY SOURCE OF FUND: WC CHECK IF DISCLOSOR 2(e) Not Applicab CITIZENSHIP OR P Delaware 7 MBER OF HARES EFICIALLY NED BY REPORTING SON WITH 10 AGGREGATE AMO 37,159(2) CHECK IF THE AGG Instructions) PERCENT OF CLASS 1.0% TYPE OF REPORTING	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP SEC USE ONLY SOURCE OF FUNDS (See Instructions) WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) Not Applicable CITIZENSHIP OR PLACE OF ORGANIZATION Delaware 7 SOLE VOTING POWER -0- 8 SHARED VOTING POWER 37,159(2) 9 SOLE DISPOSITIVE POWER ON WITH -0- 10 SHARED DISPOSITIVE POWER 37,159(2) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 37,159(2) CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 1.0%				

² 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.

1	NAMES OF	NAMES OF REPORTING PERSONS						
1	NAMES OF	NAMES OF REPORTING PERSONS						
	Prime	Prime Movers Lab GP I LLC						
2	CHECK THE	E APPRO	OPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵				
		(b) \Box						
3	SEC USE ON	NLY						
4	SOURCE OF	FUND	S (See Instructions)					
	AF							
	CHECK IE E	NICOT OF						
5	OR 2(e)	DISCLO	SURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d)					
	Not A	Applicab	le					
6	CITIZENSH	IP OR P	LACE OF ORGANIZATION					
	Delaw	vare						
		7	SOLE VOTING POWER					
			-0-					
			-0-					
NUM	MBER OF	8	SHARED VOTING POWER					
	HARES		310,506 <u>(3)</u>					
	EFICIALLY NED BY							
EACH F	REPORTING	9	SOLE DISPOSITIVE POWER					
PERS	SON WITH		-0-					
		10	SHARED DISPOSITIVE POWER					
			240 700(0)					
			310,506(3)					
11	AGGREGAT	E AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
	310,50	06 <u>(3)</u>						
	CHECK IE T	THE AC	GREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See					
12	Instructions)	IIE AG	SREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See					
13	PERCENT C	F CLAS	SS REPRESENTED BY AMOUNT IN ROW (11)					
	15.9%	, n						
14	TYPE OF RE	EPORTI	NG PERSON (See Instructions)					
	00							
	1							

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.

4	NAMES OF	DEDOD'	EINIC DEDCOMO					
1	NAMES OF	REPOR	TING PERSONS					
	Prime	Prime Movers Lab GP II LLC						
2	CHECK THI	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠						
		(b) □						
3	SEC USE Of	SEC USE ONLY						
4	SOURCE OF	SOURCE OF FUNDS (See Instructions)						
	AF							
5	CHECK IF DOR 2(e)	DISCLOS	SURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d)					
	Not A	Applicab	le					
6	CITIZENSH	IP OR P	LACE OF ORGANIZATION					
	Delaw	are						
		7	SOLE VOTING POWER					
			-0-					
NUN	MBER OF	8	SHARED VOTING POWER					
BENE	HARES EFICIALLY		60,442 <u>(4)</u>					
	NED BY REPORTING	9	SOLE DISPOSITIVE POWER					
PERS	ON WITH		-0-					
		10	SHARED DISPOSITIVE POWER					
			60,442 <u>(4)</u>					
11	AGGREGAT	E AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
	60,44	60,442 <u>(4)</u>						
12		HE AG	GREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See					
	Instructions)							
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)							
	3.1%		, ,					
			NO DEDCOM (C. J)					
14	TYPE OF RI	£PORTI]	NG PERSON (See Instructions)					
	00	00						

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.

-	NAMES OF	DEDOD	TIME REPORTS					
1	NAMES OF	NAMES OF REPORTING PERSONS						
	Prime	Prime Movers Growth GP I LLC						
2	CHECK THE	HECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠ (b) □						
3	SEC USE ON	NLY						
4	SOURCE OF	SOURCE OF FUNDS (See Instructions)						
	AF							
5	CHECK IF DOR 2(e)	DISCLOS	SURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d)					
		Applicab						
6	CITIZENSH	IP OR P	LACE OF ORGANIZATION					
	Delaw	vare						
		7	SOLE VOTING POWER					
Ti.			-0-					
NUN	MBER OF	8	SHARED VOTING POWER					
BENE	HARES CFICIALLY		37,159 <u>(5)</u>					
EACH I	NED BY REPORTING	9	SOLE DISPOSITIVE POWER					
PERS	ON WITH		-0-					
		10	SHARED DISPOSITIVE POWER					
			37,159 <u>(5)</u>					
11	AGGREGAT	E AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
	37,159	37,159 <u>(5)</u>						
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)							
	instructions)							
13	PERCENT C	F CLAS	SS REPRESENTED BY AMOUNT IN ROW (11)					
	1.9%							
14	TYPE OF RE	EPORTII	NG PERSON (See Instructions)					
	00							
	l							

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.

CUSIP No. 60879E 101 SCHEDULE 13D

1	NAMES OF	DEDOD'	TIME DEDCOME				
1	NAMES OF	NAMES OF REPORTING PERSONS					
	Dakiı	Dakin Sloss					
2	CHECK THE	E APPRO	OPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠			
				(b) 🗆			
3	SEC USE OF	NLY					
4	SOURCE OF	FUNDS	S (See Instructions)				
	AF						
5	CHECK IF D OR 2(e))ISCLOS	SURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d)				
		Applicab					
6	CITIZENSH	IP OR P	LACE OF ORGANIZATION				
	United	d States					
		7	SOLE VOTING POWER				
			-0-				
NUN	MBER OF	8	SHARED VOTING POWER				
SF	HARES CFICIALLY		408,107 <u>(6)</u>				
OW	NED BY REPORTING	9	SOLE DISPOSITIVE POWER				
	SON WITH		-0-				
		10					
		10	SHARED DISPOSITIVE POWER				
			408,107 <u>(6)</u>				
11	AGGREGAT	E AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	408,10	07 <u>(6)</u>					
12	CHECK IF T Instructions)	HE AG	GREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See				
	mstructions)						
13	PERCENT C	F CLAS	SS REPRESENTED BY AMOUNT IN ROW (11)				
	20,9%	, o					
14			NG PERSON (See Instructions)				
14		71 OK111	10 1 EROOM (Occ monucuons)				
	IN	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.

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

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