ASPEN TECHNOLOGY INC /DE/ Form SC 13D/A May 10, 2011

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

SCHEDULE 13D

(Rule 13d-101)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULE 13d-1(a) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(a) (Amendment No. 8)¹

Aspen Technology, Inc.
(Name of issuer)

Common Stock, par value \$0.10
(Title of class of securities)
045327103
(CUSIP number)

Jarlyth H. Gibson, Compliance Officer 617-951-9493 C/o Advent International Corporation, 75 State Street, 29th Floor Boston, MA 02109

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications) May 5, 2011

(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 Rule 13d-1(e), 13d-1(f) or 13d-1(g), check the following box :. o

Note. Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. *See* Rule 13d-7(b) for other parties to whom copies are to be sent.

(Continued on following pages) (Page 1 of 21 Pages)

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 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. Schedule 13D 045327103 2 21 Page of NAME OF REPORTING PERSON 1 I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) **Advent International Corporation** CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware SOLE VOTING POWER 7 NUMBER OF 3,646,549 **SHARES** SHARED VOTING POWER 8 BENEFICIALLY OWNED BY None

		E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
EAG REPOR		9	SOLE DISPOSITIVE POWER		
PERS			3,646,549		
WITH		10	SHARED DISPOSITIVE POWER		
	•		None		
11	AGGR	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	3,646,549				
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
	0				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
10	3.87%				
14	TYPE OF REPORTING PERSON*				

CO, IA

CUSIP No. Schedule 13D 045327103 21 Page 3 of NAME OF REPORTING PERSON 1 I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) Advent International Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 NUMBER OF 3,578,982 **SHARES** SHARED VOTING POWER BENEFICIALLY OWNED BY None

		E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
EAG REPOR		9	SOLE DISPOSITIVE POWER		
PERS			3,578,982		
WITH		10	SHARED DISPOSITIVE POWER		
			None		
11	AGGR	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
11	3,578,982				
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
12	o				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
13	3.80%				
1.4	TYPE OF REPORTING PERSON*				
14					

CUSIP No. Schedule 13D 045327103 21 Page of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 Advent Energy II Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 NUMBER OF 240,675 **SHARES** SHARED VOTING POWER BENEFICIALLY

OWNED BY

None

		E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
EA0 REPOR		9	SOLE DISPOSITIVE POWER		
PERS			240,675		
WITH		10	SHARED DISPOSITIVE POWER		
			None		
11	AGGR	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	240,675				
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
	o				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	0.26%				
14	TYPE OF REPORTING PERSON*				

CUSIP No. 045327103 Schedule 13D 21 Page 5 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 Advent PGGM Global Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 51,048 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None SOLE DISPOSITIVE POWER **EACH**

9

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
REPORTING PERSON		51,048			
WI	ГН 10	SHARED DISPOSITIVE POWER			
		None			
11	AGGREGA	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	51,048				
12	СНЕСК ВС	OX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
	0				
13	PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	0.05%				
14	TYPE OF R	EPORTING PERSON*			
	PN				

CUSIP No. 045327103 Schedule 13D 21 Page of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 Digital Media & Communications III Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 NUMBER OF 235,707 **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None SOLE DISPOSITIVE POWER **EACH**

9

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
REPORTING PERSON		235,707			
WI	ГН 10	SHARED DISPOSITIVE POWER			
		None			
11	AGGREGA	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	235,707				
12	СНЕСК В	OX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
	0				
13	PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	0.25%				
14	TYPE OF I	REPORTING PERSON*			
	PN				

CUSIP No. Page 045327103 Schedule 13D 21 7 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 Digital Media & Communications III-A Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 116,696 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None SOLE DISPOSITIVE POWER **EACH**

9

	I	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
REPORTING PERSON		116,696			
WI	ГН 10	SHARED DISPOSITIVE POWER			
		None			
11	AGGREGA	GGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	116,696				
12	СНЕСК ВО	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
	o				
13	PERCENT (OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	0.12%				
14	TYPE OF R	EPORTING PERSON*			
	PN				

CUSIP No. 045327103 Schedule 13D 21 Page 8 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 Digital Media & Communications III-B Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 29,165 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 None OWNED BY **EACH** SOLE DISPOSITIVE POWER 9

REPORTING

		E	dgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
PERSON			29,165		
WI	ГН	10	SHARED DISPOSITIVE POWER		
			None		
11	AGGREC	GAT	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	29,165				
12	CHECK 1	вох	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	0				
13	PERCEN	ΤО	F CLASS REPRESENTED BY AMOUNT IN ROW (9)		
10	0.03%				
14	TYPE OF	FRE	PORTING PERSON*		
	PN				

CUSIP No. Page 045327103 Schedule 13D 21 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 Digital Media & Communications III-C Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 466,768 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 None OWNED BY **EACH** SOLE DISPOSITIVE POWER 9

REPORTING

	E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
PERSON		466,768		
WIT	ГН 10	SHARED DISPOSITIVE POWER		
		None		
11	AGGREGAT	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	466,768			
12	CHECK BOX	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	0			
13	PERCENT C	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
10	0.50%			
14	TYPE OF RE	EPORTING PERSON*		
	PN			

CUSIP No. 045327103 Schedule 13D 21 Page 10 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 Digital Media & Communications III-D C.V. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Netherlands **SOLE VOTING POWER** 7 87,513 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 None OWNED BY **EACH** SOLE DISPOSITIVE POWER 9 REPORTING

	E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
PERSON		87,513		
WITH 1		SHARED DISPOSITIVE POWER		
		None		
11	AGGREGAT	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	87,513			
12	CHECK BOX	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	0			
13	PERCENT C	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	0.09%			
14	TYPE OF RI	EPORTING PERSON*		
	PN			

CUSIP No. 045327103 Schedule 13D 21 Page 11 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 Digital Media & Communications III-E C.V. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Netherlands **SOLE VOTING POWER** 7 58,349 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 None OWNED BY **EACH** SOLE DISPOSITIVE POWER 9

REPORTING

	E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A
PERSON		58,349
WI	ГН 10	SHARED DISPOSITIVE POWER
		None
11	AGGREGA	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	58,349	
12	СНЕСК ВО	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
12	o	
13	PERCENT C	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
13	0.06%	
14	TYPE OF RI	EPORTING PERSON*
	PN	

CUSIP No. 045327103 Schedule 13D 21 Page 12 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 Global Private Equity III Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 510,519 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 None OWNED BY **EACH** SOLE DISPOSITIVE POWER 9 REPORTING

	E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
PERSON		510,519			
WI	TH 10	SHARED DISPOSITIVE POWER			
		None			
11	AGGREGAT	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	510,519				
12	СНЕСК ВО	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
12	0				
13	PERCENT C	OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
13	0.54%				
14	TYPE OF RI	EPORTING PERSON*			
	PN				

CUSIP No. Schedule 13D Page 045327103 21 13 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 Global Private Equity IV Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP * 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 NUMBER OF 1,782,542 **SHARES** SHARED VOTING POWER 8 BENEFICIALLY OWNED BY None

		E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
EAG REPOR		9	SOLE DISPOSITIVE POWER		
PERS			1,782,542		
WITH		10	SHARED DISPOSITIVE POWER		
			None		
11	AGGR	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	1,782,542				
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
	o				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	1.89%				
14	TYPE OF REPORTING PERSON*				

CUSIP No. Schedule 13D 045327103 21 Page 14 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 Advent Partners (NA) GPE-III Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 NUMBER OF 1,293 **SHARES** SHARED VOTING POWER BENEFICIALLY OWNED BY None

		E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
EACH REPORTING PERSON		9	SOLE DISPOSITIVE POWER			
		,	1,293			
WITH		10	SHARED DISPOSITIVE POWER			
			None			
11	AGGR	EGAT	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
11	1,293					
12	CHECI	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
	o					
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	0.00%					
14	TYPE OF REPORTING PERSON *					

CUSIP No. Schedule 13D 045327103 21 Page 15 of NAME OF REPORTING PERSON 1 I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) Advent Partners DMC III Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 NUMBER OF 13,527 **SHARES** SHARED VOTING POWER BENEFICIALLY OWNED BY None

		E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
EACH REPORTING PERSON		9	SOLE DISPOSITIVE POWER		
			13,527		
WITH		10	SHARED DISPOSITIVE POWER		
			None		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
11	13,527				
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
	0				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	0.01%				
14	TYPE OF REPORTING PERSON*				

CUSIP No. Schedule 13D 045327103 21 Page 16 of NAME OF REPORTING PERSON 1 I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) Advent Partners GPE-III Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 NUMBER OF 4,369 **SHARES** SHARED VOTING POWER BENEFICIALLY OWNED BY None

		E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
EACH REPORTING PERSON		9	SOLE DISPOSITIVE POWER		
			4,369		
WITH		10	SHARED DISPOSITIVE POWER		
			None		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
11	4,369				
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
	o				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	0.00%				
14	TYPE OF REPORTING PERSON*				

CUSIP NO. Schedule 13D Page 045327103 21 17 of NAME OF REPORTING PERSON 1 I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) Advent Partners GPE-IV Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 NUMBER OF 22,563 **SHARES** SHARED VOTING POWER BENEFICIALLY OWNED BY None

		E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
EACH REPORTING PERSON		9	SOLE DISPOSITIVE POWER		
			22,563		
WITH		10	SHARED DISPOSITIVE POWER		
			None		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
11	22,563				
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
	o				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	0.02%				
14	TYPE OF REPORTING PERSON*				

CUSIP No. Schedule 13D 045327103 21 Page 18 of NAME OF REPORTING PERSON 1 I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) Advent Partners II Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* 2 (a) þ (b) o SEC USE ONLY 3 SOURCE OF FUNDS 4 WC CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 5 CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 NUMBER OF 25,815 **SHARES** SHARED VOTING POWER BENEFICIALLY OWNED BY None

		E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
EACH REPORTING PERSON		9	SOLE DISPOSITIVE POWER		
			25,815		
WITH		10	SHARED DISPOSITIVE POWER		
			None		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
11	25,815				
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
	o				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	0.03%				
14	TYPE OF REPORTING PERSON				

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<u>Item 1</u>. <u>Security and Issuer</u>

This statement on Amendment No. 8 to Schedule 13D (Amendment No. 8) relates to the Reporting Persons beneficial ownership interest in the Common Stock, par value \$0.10 per share, of Aspen Technology, Inc., a Delaware corporation (the Corporation). The address of the principal executive office of the Corporation is 200 Wheeler Road, Burlington, MA 01803. This Amendment No. 8 amends the initial statement on Schedule 13D filed with the Securities and Exchange Commission (the Commission) on August 22, 2003, as amended by Amendment No. 1 thereto filed with the Commission on June 6, 2006, Amendment No. 2 thereto filed with the Commission on July 26, 2006, Amendment No. 3 thereto filed with the Commission on December 15, 2006, Amendment No. 4 thereto filed with the Commission on December 22, 2006, Amendment No. 5 thereto filed with the Commission on February 14, 2008, Amendment No. 6 thereto filed with the Commission on September 30, 2010 and Amendment No. 7 thereto filed with the Commission on February 23, 2011 (as so amended, the Schedule 13D). This Amendment No. 8 is being filed by the Reporting Persons to amend Item 5. Terms defined in the Schedule 13D are used herein as so defined. Item 5. Interest in Securities of the Issuer.

Item 5 of the Schedule 13D is hereby amended as set forth in the following table which reports the aggregate number and percentage of the Common Stock beneficially owned by each Reporting Person named in Item 2 of the Schedule 13D (based upon 94,113,146 shares of Common Stock outstanding as of April 25, 2011). The table has been amended to reflect sales made on behalf of each Reporting Person since Amendment No. 7 was filed. The table has been amended to reflect sales made on behalf of each Reporting Person. The aggregate number and percentage of the Common Stock beneficially owned by each Reporting Person is calculated in accordance with Rule 13d-3.

		Percentage	Number of	Number of
	Number of	of	Shares	Shares
	Shares	Common	Acquired	Disposed of
	Beneficially	Stock	during Past 60	during
	Owned	Outstanding	Days	Past 60 Days
Reporting Person Advent International				
Corporation (1),(2)	3,646,549	3.87%	0	3,142,387
Advent International Limited Partnership				
(1)	3,578,982	3.80%	0	3,084,150
Advent Energy II Limited Partnership (1)	240,675	0.26%	0	207,400
Advent PGGM Global Limited				
Partnership (1)	51,048	0.05%	0	43,991
Digital Media & Communications III				
Limited Partnership (1)	235,707	0.25%	0	203,119
Digital Media & Communications III-A				
Limited Partnership (1)	116,696	0.12%	0	100,561
Digital Media & Communications III-B				
Limited Partnership (1)	29,165	0.03%	0	25,134
Digital Media & Communications III-C				
Limited Partnership (1)	466,768	0.50%	0	402,233
Digital Media & Communications III-D				
C.V. (1)	87,513	0.09%	0	75,416
Digital Media & Communications III-E				
C.V. (1)	58,349	0.06%	0	50,279
Global Private Equity III Limited				
Partnership (1)	510,519	0.54%	0	439,934
	1,782,542	1.89%	0	1,536,083

Global Private Equity IV Limited
Partnership (1)
Advent Partners (NA) GPE-III Limited
Partnership (2) 1,293 0.00% 0 1,123
Advent Partners DMC III Limited
Partnership (2) 13,527 0.01% 0 11,657

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	Number of Shares Beneficially	Percentage of Common Stock	Number of Shares Acquired during Past 60	Number of Shares Disposed of during	
	Owned	Outstanding	Days	Past 60 Days	
Advent Partners GPE-III Limited					
Partnership (2)	4,369	0.00%	0	3,768	
Advent Partners GPE-IV Limited					
Partnership (2)	22,563	0.02%	0	19,441	
Advent Partners II Limited Partnership					
(2)	25,815	0.03%	0	22,248	
Total Group	3,646,549	3.87%	0	3,142,387	

- (1) Advent International Corporation (AIC) is the General Partner of Advent International Limited Partnership (AILP) which in turn is the General Partner of the indicated Reporting Persons. As such, AIC has the sole power to vote and dispose of the securities owned by the indicated Reporting Persons. The beneficial ownership of AIC and AILP derive from such power.
- (2) AIC is the General Partner of the indicated Reporting Person. As such, AIC has the sole power to vote and dispose of the securities owned by the indicated reporting persons. The beneficial ownership of AIC derives from such power.
- (b) Each of the Reporting Persons listed in the table set forth above has sole voting and dispositive power over the Common Stock beneficially owned by it as indicated above.

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SIGNATURE

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.

May 10, 2011

Global Private Equity IV Limited Partnership

Global Private Equity III Limited Partnership

Advent PGGM Global Limited Partnership

Digital Media & Communications III Limited Partnership

Digital Media & Communications III-A Limited Partnership

Digital Media & Communications III-B Limited Partnership

Digital Media & Communications III-C Limited Partnership

Digital Media & Communications III-D C.V.

Digital Media & Communications III-E C.V.

Advent Energy II Limited Partnership

By: Advent International Limited Partnership,

General Partner

By: Advent International Corporation,

General Partner

By: Anna J. Guerin, Attorney*

Advent International Limited Partnership

Advent Partners II Limited Partnership

Advent Partners GPE-IV Limited Partnership

Advent Partners GPE-III Limited Partnership

Advent Partners (NA) GPE-III Limited Partnership

Advent Partners DMC-III Limited Partnership

By: Advent International Corporation,

General Partner

By: Anna J. Guerin, Attorney*

ADVENT INTERNATIONAL CORPORATION

By: Anna J. Guerin, Attorney*

*For all of the above:

/s/ Anna J. Guerin

Anna J. Guerin, Attorney