ASPEN TECHNOLOGY INC /DE/ Form SC 13D/A February 14, 2008 CUSIP NO. 045327103 Schedule 13D Page 1 of 22

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. <u>5</u>)¹ Aspen Technology, Inc.

(Name of issuer) Common Stock, par value \$0.10

(Title of class of securities) 045327103

(CUSIP number)

Jarlyth H. Gibson, Assistant 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) December 31, 2007

(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 :."

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.

¹The 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*).

(Continued on following pages) (Page 1 of 22 Pages)

CUSIP No. 045327103 Schedule 13D 22 Page 2 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 **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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 29,512,336 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None SOLE DISPOSITIVE POWER **EACH**

	1	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
REPORTING PERSON		29,512,336			
WI	ГН 10	SHARED DISPOSITIVE POWER			
		None			
11	AGGREGA	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	29,512,336				
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)				
10	33.50%				
14	TYPE OF R	EPORTING PERSON*			
	CO, IA				

CUSIP No. 045327103 Schedule 13D 22 Page 3 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 28,965,435 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None **EACH** SOLE DISPOSITIVE POWER

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
REPORTING PERSON		28,965,435			
WIT	ГН 1 0	SHARED DISPOSITIVE POWER			
		None			
11	AGGREG	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	28,965,435				
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)				
10	32.88%				
14	TYPE OF	REPORTING PERSON*			
	PN				

CUSIP No. 045327103 Schedule 13D 22 Page 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 NUMBER OF 14,426,457 **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None SOLE DISPOSITIVE POWER **EACH**

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
REPORTING PERSON		14,426,457			
WI	ГН 10	SHARED DISPOSITIVE POWER			
		None			
11	AGGREGA	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	14,426,457				
12	CHECK B	OX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
	o				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	16.38%				
14	TYPE OF	REPORTING PERSON*			
17	PN				

CUSIP No. 045327103 Schedule 13D 22 Page 5 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 4,131,728 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None SOLE DISPOSITIVE POWER **EACH**

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
REPORTING PERSON		4,131,728			
WI	ГН 10	SHARED DISPOSITIVE POWER			
		None			
11	AGGREGA	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	4,131,728				
12	CHECK B	OX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
	o				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	4.69%				
14	TYPE OF	REPORTING PERSON*			
17	PN				

CUSIP No. 045327103 Schedule 13D 22 Page 6 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Bermuda **SOLE VOTING POWER** 7 182,597 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None **EACH** SOLE DISPOSITIVE POWER

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
REPORTING PERSON		182,597			
WI	ГН 10	SHARED DISPOSITIVE POWER			
		None			
11	AGGREGA	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	182,597				
12	СНЕСК ВО	OX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
	o				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
10	0.21%				
14	TYPE OF I	REPORTING PERSON*			
17	PN				

CUSIP No. 045327103 Schedule 13D 22 Page 7 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 413,151 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None **EACH** SOLE DISPOSITIVE POWER

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
REPORTING PERSON		413,151			
WI	ГН 1 0	SHARED DISPOSITIVE POWER			
		None			
11	AGGREG	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	413,151				
12	СНЕСК В	OX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
	o				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	0.47%				
14	TYPE OF	REPORTING PERSON*			
17	PN				

CUSIP No. 045327103 Schedule 13D 27 Page 8 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 35,378 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None **EACH** SOLE DISPOSITIVE POWER

	E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
REPORTING PERSON		35,378			
WI	ГН 10	SHARED DISPOSITIVE POWER			
		None			
11	AGGREGA	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	35,378				
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)				
	0.04%				
14	TYPE OF R	EPORTING PERSON*			
	PN				

CUSIP No. 045327103 Schedule 13D 22 Page 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 NUMBER OF 10,513 **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None SOLE DISPOSITIVE POWER **EACH**

	[Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A				
REPORTING PERSON		10,513				
WI	ГН 10	SHARED DISPOSITIVE POWER				
		None				
11	AGGREGA'	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	10,513					
12	СНЕСК ВО	X 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 R	EPORTING PERSON*				
	PN					

CUSIP No. 045327103 Schedule 13D 22 Page 10 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 1,907,638 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None **EACH** SOLE DISPOSITIVE POWER

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
REPORTING PERSON		1,907,638			
WIT	ГН 1(
		None			
11	AGGREG	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	1,907,638				
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)				
	2.17%				
14	TYPE OF	REPORTING PERSON*			
	PN				

CUSIP No. 045327103 Schedule 13D 22 Page 11 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 NUMBER OF 944,435 **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None SOLE DISPOSITIVE POWER **EACH**

	E	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
REPORTING PERSON		944,435			
WI	ГН 10	SHARED DISPOSITIVE POWER			
		None			
11	AGGREGA?	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	944,435				
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)				
	1.07%				
14	TYPE OF RI	EPORTING PERSON*			
17	PN				

CUSIP No. 045327103 Schedule 13D 22 Page 12 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 236,057 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None **EACH** SOLE DISPOSITIVE POWER

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A			
REPORTING PERSON		236,057			
WI	ГН 10	SHARED DISPOSITIVE POWER			
		None			
11	AGGREGA	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	236,057				
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)				
13	0.27%				
14	TYPE OF I	REPORTING PERSON*			
17	PN				

CUSIP No. 045327103 Schedule 13D 27 Page 13 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 NUMBER OF 3,777,641 **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None **EACH** SOLE DISPOSITIVE POWER

		Е	Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
REPORTING PERSON			3,777,641		
WIT		10	SHARED DISPOSITIVE POWER		
			None		
AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	3,777,641				
12	CHECK	ВО	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	0				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	4.29%				
14	TYPE O	F RI	EPORTING PERSON*		
	PN				

CUSIP No. 045327103 Schedule 13D 22 Page 14 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Netherlands **SOLE VOTING POWER** 7 NUMBER OF 708,275 **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None **EACH** SOLE DISPOSITIVE POWER

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
REPOR PERS		708,275		
WI	ГН 10	SHARED DISPOSITIVE POWER		
		None		
11	AGGREGA	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	708,275			
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)			
	0.80%			
14	TYPE OF	REPORTING PERSON*		
	PN			

CUSIP No. 045327103 Schedule 13D 22 Page 15 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Netherlands **SOLE VOTING POWER** 7 472,218 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None **EACH** SOLE DISPOSITIVE POWER

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
REPOR PERS		472,218		
WI	ГН 10	SHARED DISPOSITIVE POWER		
		None		
11	AGGREGA	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	472,218			
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)			
	0.54%			
14	TYPE OF I	REPORTING PERSON*		
	PN			

CUSIP No. 045327103 Schedule 13D 22 Page 16 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 109,478 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None **EACH** SOLE DISPOSITIVE POWER

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
REPOR PERS		109,478		
WI	ГН 10	SHARED DISPOSITIVE POWER		
		None		
11	AGGREGA	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	109,478			
12	СНЕСК ВО	OX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	0			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	0.12%			
14	TYPE OF I	REPORTING PERSON*		
	PN			

CUSIP No. 045327103 Schedule 13D 22 Page 17 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 1,947,835 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None **EACH** SOLE DISPOSITIVE POWER

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
REPOR PERS		1,947,835		
WI	ГН 10	SHARED DISPOSITIVE POWER		
		None		
11	AGGREGA	ATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	1,947,835			
12	СНЕСК ВО	OX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	0			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	2.21%			
14	TYPE OF I	REPORTING PERSON*		
	PN			

CUSIP No. 045327103 Schedule 13D 22 Page 18 of NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) 1 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 o CITIZENSHIP OR PLACE OF ORGANIZATION 6 Delaware **SOLE VOTING POWER** 7 208,935 NUMBER OF **SHARES** SHARED VOTING POWER BENEFICIALLY 8 OWNED BY None **EACH** SOLE DISPOSITIVE POWER

		Edgar Filing: ASPEN TECHNOLOGY INC /DE/ - Form SC 13D/A		
REPOR PERS		208,935		
WI	ГН 10	SHARED DISPOSITIVE POWER		
		None		
11	AGGREGA	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	208,935			
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)			
	0.24%			
14	TYPE OF R	EPORTING PERSON*		
	PN			

CUSIP NO. 045327103

Schedule 13D

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Item 1. Security and Issuer

This statement on Amendment No. 5 to Schedule 13D (Amendment No. 5) 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. 5 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 and Amendment No. 4 thereto filed with the Commission on December 22, 2006 (as so amended, the Schedule 13D). This Amendment No. 5 is being filed by the Reporting Persons to amend Item 5. Terms defined in the Schedule 13D are used herein as so defined.

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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 88,087,000 shares of Common Stock outstanding as of May 8, 2007). The table has been amended to reflect sales made on behalf of each Reporting Person in 2007. The aggregate number and percentage of the Common Stock beneficially owned by each Reporting Person is calculated in accordance with Rule 13d-3.

	Number of Shares		
	Shares	Total Number	Percentage
	Beneficially	of Shares	of Shares
Reporting Person	Owned	Sold in 2007	Outstanding
Global Private Equity IV Limited Partnership (1)	14,426,457	971,301	16.38%
Advent PGGM Global Limited Partnership (1)	413,151	27,818	0.47%
Global Private Equity III Limited Partnership (1)	4,131,728	278,180	4.69%
Digital Media & Communications III Limited Partnership			
(1)	1,907,638	128,438	2.17%
Digital Media & Communications III-A Limited			
Partnership (1)	944,435	63,585	1.07%
Digital Media & Communications III-B Limited			
Partnership (1)	236,057	15,895	0.27%
Digital Media & Communications III-C Limited			
Partnership (1)	3,777,641	254,337	4.29%
Digital Media & Communications III-D C.V. (1)	708,275	47,688	0.80%
Digital Media & Communications III-E C.V. (1)	472,218	31,792	0.54%
Advent Energy II Limited Partnership (1)	1,947,835	131,142	2.21%
Advent Partners GPE-IV Limited Partnership (2)	182,597	12,293	0.21%
Advent Partners GPE-III Limited Partnership (2)	35,378	2,382	0.04%
Advent Partners (NA) GPE-III Limited Partnership (2)	10,513	710	0.01%
Advent Partners DMC III Limited Partnership (2)	109,478	7,372	0.12%
Advent Partners II Limited Partnership (2)	208,935	14,067	0.24%
Advent International Limited Partnership (1)	28,965,435	1,950,176	32.88%
Advent International Corporation (1), (2)	29,512,336	1,987,000	33.50%
Total Group	29,512,336	1,987,000	33.50%

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- (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.

February 8, 2008

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: Jarlyth H. Gibson, Assistant Compliance Officer*

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: Jarlyth H. Gibson, Assistant Compliance Officer *

ADVENT INTERNATIONAL CORPORATION

By: Jarlyth H. Gibson, Assistant Compliance Officer *

* For all of the above:

/s/ Jarlyth H. Gibson

Jarlyth H. Gibson, Assistant Compliance Officer