

ASPEN TECHNOLOGY INC /DE/
Form SC 13D/A
February 23, 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. 7)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)

February 15, 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 §§240.13d-1(e), 240.13d-1(f) or 240.13d-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 for other parties to whom copies are to be sent.

(Continued on following pages)

(Page 1 of 21 Pages)

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 (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. 045327103

Schedule 13D

Page 2 of 21

1 NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Advent International Corporation

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)

WC

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

SOLE VOTING POWER

7

NUMBER OF 7,312,336

SHARES BENEFICIALLY **8** SHARED VOTING POWER

OWNED BY None

EACH **9** SOLE DISPOSITIVE POWER

REPORTING

PERSON 7,312,336

WITH SHARED DISPOSITIVE POWER

10

None

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

7,312,336

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

12

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

13

7.81%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

14

CO, IA

CUSIP No. 045327103

Schedule 13D

Page 3 of 21

1 NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Advent International Limited Partnership

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)

WC

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

7 SOLE VOTING POWER

NUMBER OF 7,176,833

8 SHARES BENEFICIALLY OWNED BY

SHARED VOTING POWER

None

9 EACH SOLE DISPOSITIVE POWER

REPORTING

PERSON 7,176,833

WITH SHARED DISPOSITIVE POWER

10

None

11

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

7,176,833

12

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

o

13

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

7.67%

14

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

PN

CUSIP No. 045327103

Schedule 13D

Page 4 of 21

1 NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Advent Energy II Limited Partnership

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)

WC

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

7 SOLE VOTING POWER

NUMBER OF 482,620

SHARES BENEFICIALLY **8** SHARED VOTING POWER

OWNED BY None

EACH **9** SOLE DISPOSITIVE POWER

REPORTING

PERSON 482,620

WITH SHARED DISPOSITIVE POWER

10

None

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

482,620

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

12

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

13

0.52%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

14

PN

CUSIP No. 045327103

Schedule 13D

Page 5 of 21

1 NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Advent PGGM Global Limited Partnership

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)

WC

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

7 SOLE VOTING POWER

NUMBER OF 102,366

SHARES BENEFICIALLY **8** SHARED VOTING POWER

OWNED BY None

EACH **9** SOLE DISPOSITIVE POWER

REPORTING

PERSON 102,366

WITH SHARED DISPOSITIVE POWER

10

None

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

102,366

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

12

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

13

0.11%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

14

PN

CUSIP No. 045327103

Schedule 13D

Page 6 of 21

NAMES OF REPORTING PERSONS

1

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Digital Media & Communications III Limited Partnership

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2

(a)

(b)

SEC USE ONLY

3

SOURCE OF FUNDS (SEE INSTRUCTIONS)

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 472,659

SHARED VOTING POWER

SHARES BENEFICIALLY OWNED BY 8

None

EACH SOLE DISPOSITIVE POWER

9

REPORTING

PERSON 472,659

WITH SHARED DISPOSITIVE POWER

10

None

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

472,659

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

12

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

13

0.51%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

14

PN

CUSIP No. 045327103

Schedule 13D

Page 7 of 21

1 NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Digital Media & Communications III-A Limited Partnership

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)

WC

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

7 SOLE VOTING POWER

NUMBER OF 234,005

8 SHARES BENEFICIALLY OWNED BY EACH

SHARED VOTING POWER

None

9 SOLE DISPOSITIVE POWER

REPORTING

PERSON 234,005

WITH SHARED DISPOSITIVE POWER

10

None

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

234,005

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

12

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

13

0.25%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

14

PN

CUSIP No. 045327103

Schedule 13D

Page 8 of 21

1 NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Digital Media & Communications III-B Limited Partnership

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)

WC

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

7 SOLE VOTING POWER

NUMBER OF 58,487

SHARES BENEFICIALLY **8** SHARED VOTING POWER

OWNED BY None

EACH **9** SOLE DISPOSITIVE POWER

REPORTING

PERSON 58,487

WITH SHARED DISPOSITIVE POWER

10

None

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

58,487

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

12

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

13

0.06%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

14

PN

CUSIP No. 045327103

Schedule 13D

Page 9 of 21

1 NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Digital Media & Communications III-C Limited Partnership

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)

WC

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

7 SOLE VOTING POWER

NUMBER OF 935,997

8 SHARES BENEFICIALLY OWNED BY EACH

SHARED VOTING POWER

None

9 SOLE DISPOSITIVE POWER

REPORTING

PERSON 935,997

WITH SHARED DISPOSITIVE POWER

10

None

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

935,997

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

12

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

13

1.00%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

14

PN

CUSIP No. 045327103

Schedule 13D

Page 10 of 21

1 NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Digital Media & Communications III-D C.V.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)

WC

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Netherlands

7 SOLE VOTING POWER

NUMBER OF 175,490

8 SHARES BENEFICIALLY OWNED BY

SHARED VOTING POWER

None

9 EACH SOLE DISPOSITIVE POWER

REPORTING

PERSON 175,490

WITH SHARED DISPOSITIVE POWER

10

None

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

175,490

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

12

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

13

0.19%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

14

PN

CUSIP No. 045327103

Schedule 13D

Page 11 of 21

1 NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Digital Media & Communications III-E C.V.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)

WC

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Netherlands

7 SOLE VOTING POWER

NUMBER OF 117,003

8 SHARES BENEFICIALLY OWNED BY

SHARED VOTING POWER

None

9 EACH SOLE DISPOSITIVE POWER

REPORTING

PERSON 117,003

WITH SHARED DISPOSITIVE POWER

10

None

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

117,003

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

12

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

13

0.13%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

14

PN

CUSIP No. 045327103

Schedule 13D

Page 12 of 21

1 NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Global Private Equity III Limited Partnership

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)

WC

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

7 SOLE VOTING POWER

NUMBER OF 1,023,729

SHARES BENEFICIALLY **8** SHARED VOTING POWER

OWNED BY None

EACH **9** SOLE DISPOSITIVE POWER

REPORTING

PERSON 1,023,729

WITH SHARED DISPOSITIVE POWER

10

None

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

1,023,729

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

12

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

13

1.09%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

14

PN

CUSIP No. 045327103

Schedule 13D

Page 13 of 21

1 NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Global Private Equity IV Limited Partnership

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)

WC

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

7 SOLE VOTING POWER

NUMBER OF 3,574,477

SHARES BENEFICIALLY **8** SHARED VOTING POWER

OWNED BY None

EACH **9** SOLE DISPOSITIVE POWER

REPORTING

PERSON 3,574,477

WITH SHARED DISPOSITIVE POWER

10

None

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,574,477

12 CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

o

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

3.82%

14 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

PN

CUSIP No. 045327103

Schedule 13D

Page 14 of 21

NAMES OF REPORTING PERSONS

1

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Advent Partners (NA) GPE-III Limited Partnership

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2

(a)

(b)

SEC USE ONLY

3

SOURCE OF FUNDS (SEE INSTRUCTIONS)

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 2,603

SHARES BENEFICIALLY OWNED BY 8 SHARED VOTING POWER

None

EACH 9 SOLE DISPOSITIVE POWER

REPORTING

PERSON 2,603

WITH SHARED DISPOSITIVE POWER

10

None

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

2,603

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

12

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

13

0.00%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

14

PN

CUSIP No. 045327103

Schedule 13D

Page 15 of 21

NAMES OF REPORTING PERSONS

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 (SEE INSTRUCTIONS)

2

(a)

(b)

SEC USE ONLY

3

SOURCE OF FUNDS (SEE INSTRUCTIONS)

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 27,125

SHARED VOTING POWER

SHARES BENEFICIALLY OWNED BY 8

None

SOLE DISPOSITIVE POWER

EACH 9

REPORTING

PERSON 27,125

WITH SHARED DISPOSITIVE POWER

10

None

11

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

27,125

12

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

o

13

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

0.03%

14

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

PN

CUSIP No. 045327103

Schedule 13D

Page 16 of 21

1 NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Advent Partners GPE-III Limited Partnership

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)

WC

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

7 SOLE VOTING POWER

NUMBER OF 8,765

8 SHARES BENEFICIALLY OWNED BY

SHARED VOTING POWER

OWNED BY None

9 EACH SOLE DISPOSITIVE POWER

REPORTING

PERSON 8,765

WITH SHARED DISPOSITIVE POWER

10

None

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

8,765

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

12

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

13

0.01%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

14

PN

CUSIP No. 045327103

Schedule 13D

Page 17 of 21

NAMES OF REPORTING PERSONS

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 (SEE INSTRUCTIONS)

2

(a)

(b)

SEC USE ONLY

3

SOURCE OF FUNDS (SEE INSTRUCTIONS)

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 45,242

SHARED VOTING POWER

SHARES BENEFICIALLY OWNED BY 8

None

SOLE DISPOSITIVE POWER

EACH 9

REPORTING

PERSON 45,242

WITH SHARED DISPOSITIVE POWER

10

None

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

45,242

12 CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

o

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

0.05%

14 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

PN

CUSIP No. 045327103

Schedule 13D

Page 18 of 21

1 NAMES OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Advent Partners II Limited Partnership

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)

WC

5 CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

SOLE VOTING POWER

7

NUMBER OF 51,768

SHARED VOTING POWER

8 SHARES BENEFICIALLY OWNED BY

None

SOLE DISPOSITIVE POWER

9 EACH

REPORTING

PERSON 51,768

WITH SHARED DISPOSITIVE POWER

10

None

11

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

51,768

12

CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

o

13

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

0.06%

14

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

PN

CUSIP No. 045327103

Schedule 13D

Page 19 of 21

Item 1. Security and Issuer

This statement on Amendment No. 7 to Schedule 13D (Amendment No. 7) 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. 7 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 and Amendment No. 6 thereto filed with the Commission on September 30, 2010 (as so amended, the Schedule 13D). This Amendment No. 7 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 93,593,331 shares of Common Stock outstanding as of February 8, 2011). The table has been amended to reflect sales made on behalf of each Reporting Person since Amendment No. 6 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.

	Number of Shares Beneficially Owned	Percentage of Common Stock Outstanding	Number of Shares Acquired during Past 60 Days	Number of Shares Disposed of during Past 60 Days
Reporting Person Advent International Corporation (1),(2)	7,312,336	7.81%	0	1,500,000
Advent International Limited Partnership (1)	7,176,833	7.67%	0	1,472,204
Advent Energy II Limited Partnership (1)	482,620	0.52%	0	99,001
Advent PGM Global Limited Partnership (1)	102,366	0.11%	0	20,999
Digital Media & Communications III Limited Partnership (1)	472,659	0.51%	0	96,958
Digital Media & Communications III-A Limited Partnership (1)	234,005	0.25%	0	48,002
Digital Media & Communications III-B Limited Partnership (1)	58,487	0.06%	0	11,998
Digital Media & Communications III-C Limited Partnership (1)	935,997	1.00%	0	192,003
Digital Media & Communications III-D C.V. (1)	175,490	0.19%	0	35,999
Digital Media & Communications III-E C.V. (1)	117,003	0.13%	0	24,001
Global Private Equity III Limited Partnership (1)	1,023,729	1.09%	0	210,000
Global Private Equity IV Limited Partnership (1)	3,574,477	3.82%	0	733,243
	2,603	0.00%	0	534

Advent Partners (NA) GPE-III Limited
Partnership (2)

Advent Partners DMC III Limited Partnership (2)	27,125	0.03%	0	5,564
---	--------	-------	---	-------

CUSIP No.	045327103	Schedule 13D	Page	20	of	21
Advent Partners GPE-III Limited Partnership (2)		8,765	0.01%	0		1,798
Advent Partners GPE-IV Limited Partnership (2)		45,242	0.05%	0		9,281
Advent Partners II Limited Partnership (2)		51,768	0.06%	0		10,619
Total Group		7,312,336	7.81%	0		1,500,000

(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.

CUSIP No. 045327103

Schedule 13D
SIGNATURE

Page 21 of 21

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 23, 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: Jarlyth H. Gibson, 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, Compliance Officer *

ADVENT INTERNATIONAL CORPORATION

By: Jarlyth H. Gibson, Compliance Officer *

*For all of the above:

/s/ Jarlyth H. Gibson

Jarlyth H. Gibson, Compliance Officer