SCHATZ DOUGLAS S

Form 4

February 18, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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OMB APPROVAL

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may continue.

See Instruction

if no longer

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * SCHATZ DOUGLAS S & SCHATZ JILL E FAMILY TRUST

(Street)

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

ADVANCED ENERGY INDUSTRIES INC [AEIS]

(Check all applicable)

(Last)

(First)

3. Date of Earliest Transaction

Director Officer (give title below)

X__ 10% Owner _ Other (specify

PO BOX 481

02/16/2010

(Middle)

4. If Amendment, Date Original

(Month/Day/Year)

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)

Form filed by One Reporting Person _X_ Form filed by More than One Reporting

Person

FORT COLLINS, CO 80522

(City)	(State)	(Zip) Tab	le I - Non-l	Derivativ	e Secu	rities Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	omr Dispo (Instr. 3,	sed of 4 and (A) or	5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	02/16/2010		Code V S	Amount 200	(D)	Price \$ 15.4	6,196,475 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D	
Common Stock	02/16/2010		S	100	D	\$ 15.41	6,196,375 <u>(1)</u> (2) (3)	D	
Common Stock	02/16/2010		S	100	D	\$ 15.42	6,196,275 <u>(1)</u> (2) <u>(3)</u>	D	
Common Stock	02/16/2010		S	800	D	\$ 15.43	6,195,475 <u>(1)</u> (2) <u>(3)</u>	D	
Common Stock	02/16/2010		S	800	D	\$ 15.44	6,194,675 <u>(1)</u> (2) <u>(3)</u>	D	

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Common Stock	02/16/2010	S	200	D	\$ 15.45	6,194,475 <u>(1)</u> <u>(2) (3)</u>	D
Common Stock	02/16/2010	S	200	D	\$ 15.475	6,194,275 <u>(1)</u> (2) (3)	D
Common Stock	02/16/2010	S	8,009	D	\$ 15.5	6,186,266 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	02/16/2010	S	1,200	D	\$ 15.5001	6,185,066 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	02/16/2010	S	191	D	\$ 15.51	6,184,875 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	02/16/2010	S	2,900	D	\$ 15.53	6,181,975 <u>(1)</u> (2) (3)	D
Common Stock	02/16/2010	S	100	D	\$ 15.54	6,181,875 <u>(1)</u> (2) (3)	D
Common Stock	02/16/2010	S	2,500	D	\$ 15.55	6,179,375 <u>(1)</u> (2) (3)	D
Common Stock	02/16/2010	S	2,900	D	\$ 15.5501	6,176,475 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	02/16/2010	S	3,320	D	\$ 15.56	6,173,155 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	02/16/2010	S	480	D	\$ 15.57	6,172,675 <u>(1)</u> (2) (3)	D
Common Stock	02/16/2010	S	100	D	\$ 15.59	6,172,575 <u>(1)</u> (2) (3)	D
Common Stock	02/16/2010	S	900	D	\$ 15.6	6,171,675 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	02/16/2010	S	100	D	\$ 15.61	6,171,575 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	02/16/2010	S	100	D	\$ 15.62	6,171,475 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	02/16/2010	S	1,000	D	\$ 15.63	6,170,475 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	02/16/2010	S	1,000	D	\$ 15.69	6,169,475 <u>(1)</u> (2) (3)	D
Common Stock	02/16/2010	S	200	D	\$ 15.71	6,169,275 <u>(1)</u> (2) (3)	D
Common Stock	02/16/2010	S	100	D	\$ 15.72	6,169,175 <u>(1)</u> (2) (3)	D
Common Stock	02/16/2010	S	1,000	D	\$ 15.89	6,168,175 <u>(1)</u> (2) (3)	D

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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

> 9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	e and	8. Price of
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transac	tionNumber	Expiration Da	ate	Amou	nt of	Derivative
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8) Derivative	e		Securi	ities	(Instr. 5)
	Derivative				Securities			(Instr.	3 and 4)	
	Security				Acquired					
					(A) or					
					Disposed					
					of (D)					
					(Instr. 3,					
					4, and 5)					
									Amount	
						Date	Expiration	FD1 - 1	or	
						Exercisable Date	Title Ni	Number		
				~					of	
				Code V	V (A) (D)				Shares	

Reporting Owners

Reporting Owner Name / Address		Relationships					
		10% Owner	Officer	Other			
SCHATZ DOUGLAS S & SCHATZ JILL E FAMILY TRUST PO BOX 481 FORT COLLINS, CO 80522		X					
SCHATZ DOUGLAS S P.O. BOX 481 FORT COLLINS, CO 80522	X						
Schatz Jill E P.O. BOX 481 FORT COLLINS, CO 80522		X					

Signatures

/S/ Thomas O. McGimpsey
(Attorney-in-Fact) 02/18/2010

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) These shares are owned directly by Douglas S. Schatz & Jill E. Schatz Family Trust, a ten percent owner of the issuer, and indirectly by Douglas S. Schatz and Jill E. Schatz, co-trustees of the trust.

Reporting Owners 3

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- (2) Includes 26,350 shares of restricted stock units held directly by Douglas S. Schatz, who is a director of the Issuer.
- (3) The Sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 Plan.

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