SCHATZ DOUGLAS S

Check this box

if no longer

subject to

Section 16.

Form 4 or

obligations

may continue.

See Instruction

Form 5

Form 4 June 02, 2010

FORM 4

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

OMB Number:

OMB APPROVAL

3235-0287

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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

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) (Middle) 3. Date of Earliest Transaction

(Month/Day/Year) 06/01/2010

_X__ 10% Owner Director _ Other (specify Officer (give title below)

PO BOX 481

(Street) 4. If Amendment, Date Original

Applicable Line)

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

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Person

FORT COLLINS, CO 80522

(City)	(State)	(Zip) Tab	ole I - Non-	Derivative	Secui	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. Transactic Code (Instr. 8)	4. Securit or Dispos (Instr. 3,	ed of (` ′	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	06/01/2010		S	800	D D	\$ 12.4	5,025,558 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D	
Common Stock	06/01/2010		S	6,249	D	\$ 12.41	5,119,309 <u>(1)</u> <u>(2) (3)</u>	D	
Common Stock	06/01/2010		S	1,800	D	\$ 12.42	5,117,509 <u>(1)</u> <u>(2) (3)</u>	D	
Common Stock	06/01/2010		S	1,000	D	\$ 12.43	5,116,509 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D	
Common Stock	06/01/2010		S	1,800	D	\$ 12.45	5,114,709 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D	

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Common Stock	06/01/2010	S	200	D	\$ 12.455	5,114,509 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	06/01/2010	S	1,900	D	\$ 12.46	5,112,609 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	06/01/2010	S	2,100	D	\$ 12.47	5,110,509 <u>(1)</u> (2) (3)	D
Common Stock	06/01/2010	S	100	D	\$ 12.475	5,110,409 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	06/01/2010	S	8,030	D	\$ 12.48	5,102,379 <u>(1)</u> (2) (3)	D
Common Stock	06/01/2010	S	300	D	\$ 12.4875	5,102,079 <u>(1)</u> (2) (3)	D
Common Stock	06/01/2010	S	5,110	D	\$ 12.49	5,096,969 <u>(1)</u> (2) (3)	D
Common Stock	06/01/2010	S	200	D	\$ 12.4975	5,096,769 <u>(1)</u> (2) (3)	D
Common Stock	06/01/2010	S	12.492	D	\$ 12.5	5,084,277 <u>(1)</u> (2) (3)	D
Common Stock	06/01/2010	S	600	D	\$ 12.505	5,083,677 <u>(1)</u> (2) (3)	D
Common Stock	06/01/2010	S	3,129	D	\$ 12.51	5,080,548 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	06/01/2010	S	1,500	D	\$ 12.53	5,079,048 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	06/01/2010	S	100	D	\$ 12.54	5,078,948 <u>(1)</u> (2) <u>(3)</u>	D

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

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SEC 1474 (9-02)

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 Exercisable and	7. Title and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration Date	Amount of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/Year)	Underlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	re	Securities	(Instr. 5)	Bene
	Derivative				Securities	S	(Instr. 3 and 4)		Owne
	Security				Acquired				Follo
					(A) or				Repo
					Disposed				Trans
					of (D)				(Instr
					(Instr. 3,				

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4, and 5)

				Amount
Code V (A) (D)	Date Exercisable	Expiration Date	Title	or Number of Shares
Code (11) (D)				Dilaics

Reporting Owners

Reporting Owner Name / Address			Relationships					
			10% Owner	Officer	Other			
SCHATZ DOUGLAS S & SCHATZ JILL E FAM PO BOX 481 FORT COLLINS, CO 80522	IILY TRUST		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)	06/02/2010							

**Signature of Reporting Person 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.

Date

- (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.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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