ADVANCED ENERGY INDUSTRIES INC

Form 4 May 05, 2005

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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if no longer subject to Section 16. Form 4 or

Check this box

Form 5 obligations may continue. See Instruction

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

2. Issuer Name and Ticker or Trading

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

(Middle)

5. Relationship of Reporting Person(s) to

Issuer

BRONSON JOSEPH R

ADVANCED ENERGY **INDUSTRIES INC [AEIS]**

(Check all applicable)

(Last) (First) 3. Date of Earliest Transaction (Month/Day/Year)

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

1625 SHARP POINT DRIVE (Street)

05/04/2005

Symbol

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

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

(Instr. 4)

Person

FORT COLLINS, CO US

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

4. Securities 3. TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (I) (Instr. 4)

Reported (A) Transaction(s) (Instr. 3 and 4)

or Code V Amount (D) Price

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative Conversion Security or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

5. Number Transaction of Derivative Expiration Date Code Securities

6. Date Exercisable and (Month/Day/Year)

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8	8)	Acquire (A) or Dispose (D) (Instr. 3, and 5)	d of				
			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Director Stock Option (right to buy)	\$ 9.13						12/30/2004(1)	12/30/2014	Common Stock	15,000
Director Stock Option (right to buy)	\$ 10.9	05/04/2005	A		5,000		05/04/2005(2)	05/04/2015	Common Stock	5,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
BRONSON JOSEPH R 1625 SHARP POINT DRIVE FORT COLLINS, CO US	X						

Signatures

Mary K. Derr -Attorney-in-Fact 05/05/2005

**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) Stock option dated 12/30/2004 is such that one-third of the shares become exercisable immediately then another one-third on each of the next two anniversaries of the date granted.
- (2) The director stock options granted on May 4, 2005 are fully exercisable on the date of grant.
- (3) Mr. Bronson has Stock Options (right to buy) for a total of 20,000 shares of Common Stock.

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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