

APPLIED INDUSTRIAL TECHNOLOGIES INC  
 Form 4  
 September 20, 2007

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 PURSER BILL L

2. Issuer Name and Ticker or Trading Symbol  
 APPLIED INDUSTRIAL TECHNOLOGIES INC [AIT]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)  
 ONE APPLIED PLAZA  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 09/19/2007

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

CLEVELAND, OH 441155056  
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 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)
			Code	V	Amount (A) or (D) Price		
Common Stock	09/19/2007		M		20,712 (1) A \$ 6.94	29,313	D
Common Stock	09/19/2007		S		4,283 (1) D \$ 33	25,030	D
Common Stock	09/19/2007		S		700 (1) D \$ 33.03	24,330	D
Common Stock	09/19/2007		S		100 (1) D \$ 33.04	24,230	D
Common Stock	09/19/2007		S		300 (1) D \$ 33.05	23,930	D

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Common Stock	09/19/2007	S	200 <u>(1)</u>	D	\$ 33.07	23,730	D	
Common Stock	09/19/2007	S	100 <u>(1)</u>	D	\$ 33.08	23,630	D	
Common Stock	09/19/2007	S	500 <u>(1)</u>	D	\$ 33.1	23,130	D	
Common Stock	09/19/2007	S	1,000 <u>(1)</u>	D	\$ 33.11	22,130	D	
Common Stock	09/19/2007	S	100 <u>(1)</u>	D	\$ 33.12	22,030	D	
Common Stock	09/19/2007	S	900 <u>(1)</u>	D	\$ 33.13	21,130	D	
Common Stock	09/19/2007	S	1,200 <u>(1)</u>	D	\$ 33.14	19,930	D	
Common Stock	09/19/2007	S	229 <u>(1)</u>	D	\$ 33.15	19,701	D	
Common Stock	09/19/2007	S	6,000 <u>(1)</u>	D	\$ 33.16	13,701	D	
Common Stock	09/19/2007	S	300 <u>(1)</u>	D	\$ 33.17	13,401	D	
Common Stock	09/19/2007	S	1,200 <u>(1)</u>	D	\$ 33.18	12,201	D	
Common Stock	09/19/2007	S	1,600 <u>(1)</u>	D	\$ 33.19	10,601	D	
Common Stock	09/19/2007	S	2,000 <u>(1)</u>	D	\$ 33.2	8,601	D	
Common Stock						44,048.69	I	Deferred Compensation Plan
Common Stock						259.54	I	Retirement Savings Plan

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

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(9-02)

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

1. Title of Derivative Security	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any	4. Transaction Code	5. Number of Derivative Securities	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount Underlying Securities (Instr. 3 and 4)
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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (Right to Buy)	\$ 6.94	09/19/2007	M	20,712 <sub>(1)</sub>					08/06/2003 <sub>(2)</sub>	08/06/2012	Common Stock	20,712

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
PURSER BILL L ONE APPLIED PLAZA CLEVELAND, OH 441155056			President	

## Signatures

By: Dianne Misenko/POA for Bill L. Purser  
 Purser  
 Date: 09/20/2007

\*\*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) Exercise of options and sale of resulting shares pursuant to a trading plan (pursuant to SEC Rule 10b5-1) entered into as of 8/13/07.
- (2) These options become exercisable in annual increments of 25% commencing one year after the date of grant.

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.