PURSER BILL L
Form 4
August 23, 2007

FORM 4

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

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

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).

(Print or Type Responses)

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

(Last) (First) (Middle)

ONE APPLIED PLAZA

(Street)

CLEVELAND, OH 441155056

(City) (State) (Zip)

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

3. Date of Earliest Transaction (Month/Day/Year)
08/22/2007

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

5. Relationship of Reporting Person(s) to Issuer
(Check all applicable)
_____ Director _____ 10% Owner
__X__ Officer (give title below) _____ Other (specify below)
President

6. Individual or Joint/Group Filing(Check Applicable Line)
_X_ 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	08/22/2007		M		26,899	A	$ 7.922	35,500	D	
Common Stock	08/22/2007		S		15,700	D	$ 30	19,800	D	
Common Stock	08/22/2007		S		1,400	D	$ 30.03	18,400	D	
Common Stock	08/22/2007		S		300	D	$ 30.04	18,100	D	
Common Stock	08/22/2007		S		2,300	D	$ 30.06	15,800	D	

Common Stock	08/22/2007	S	100	D	$ 30.12	15,700	D
Common Stock	08/22/2007	S	185	D	$ 30.14	15,515	D
Common Stock	08/22/2007	S	700	D	$ 30.15	14,815	D
Common Stock	08/22/2007	S	300	D	$ 30.16	14,515	D
Common Stock	08/22/2007	S	600	D	$ 30.17	13,915	D
Common Stock	08/22/2007	S	314	D	$ 30.2	13,601	D
Common Stock	08/22/2007	S	300	D	$ 30.21	13,301	D
Common Stock	08/22/2007	S	700	D	$ 30.22	12,601	D
Common Stock	08/22/2007	S	700	D	$ 30.23	11,901	D
Common Stock	08/22/2007	S	200	D	$ 30.24	11,701	D
Common Stock	08/22/2007	S	100	D	$ 30.26	11,601	D
Common Stock	08/22/2007	S	800	D	$ 30.27	10,801	D
Common Stock	08/22/2007	S	300	D	$ 30.28	10,501	D
Common Stock	08/22/2007	S	100	D	$ 30.33	10,401	D
Common Stock	08/22/2007	S	800	D	$ 30.34	9,601	D
Common Stock	08/22/2007	S	200	D	$ 30.35	9,401	D
Common Stock	08/22/2007	S	200	D	$ 30.36	9,201	D
Common Stock	08/22/2007	S	500	D	$ 30.39	8,701	D
Common Stock	08/22/2007	S	100	D	$ 30.41	8,601	D
Common Stock						44,048.69	I	Deferred Compensation Plan

Common Stock	250.31	I	Retirement Savings Plan

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

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount Underlying Securiti (Instr. 3 and 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Employee Stock Option (Right to Buy)	$ 7.922	08/22/2007		M		26,899		08/09/2002(1)	08/09/2011	Common Stock	26,8

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 — 08/23/2007

**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) 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.

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