Ascent Solar Technologies, Inc.
Form 4
February 21, 2008

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 *
ITN Energy Systems, Inc.

(Last) (First) (Middle)

8130 SHAFFER PARKWAY

(Street)

LITTLETON, CO 80127

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading Symbol
Ascent Solar Technologies, Inc. [ASTI]

3. Date of Earliest Transaction (Month/Day/Year)
02/19/2008

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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	02/19/2008		S(1)		78	D	$ 16.55	829,922	D	
Common Stock	02/19/2008		S(1)		156	D	$ 16.56	829,766	D	
Common Stock	02/19/2008		S(1)		778	D	$ 16.59	828,988	D	
Common Stock	02/19/2008		S(1)		389	D	$ 16.61	828,599	D	
Common Stock	02/19/2008		S(1)		78	D	$ 16.62	828,521	D	

Common Stock	02/19/2008	S(1)	389	D	$ 16.65	828,132	D
Common Stock	02/19/2008	S(1)	156	D	$ 16.66	827,976	D
Common Stock	02/19/2008	S(1)	78	D	$ 16.67	827,898	D
Common Stock	02/19/2008	S(1)	233	D	$ 16.69	827,665	D
Common Stock	02/19/2008	S(1)	311	D	$ 16.7	827,354	D
Common Stock	02/19/2008	S(1)	594	D	$ 16.71	826,760	D
Common Stock	02/19/2008	S(1)	184	D	$ 16.72	826,576	D
Common Stock	02/19/2008	S(1)	933	D	$ 16.73	825,643	D

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 of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other

ITN Energy Systems, Inc.
8130 SHAFFER PARKWAY X
LITTLETON, CO 80127

Signatures

David C. Wang, as attorney-in-fact for ITN Energy Systems, Inc. 02/21/2008

**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) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on June 26, 2007.

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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