Ascent Solar Technologies, Inc.
Form 4
January 03, 2008

FORM 4

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

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	
OMB Number:	3235-0287
Expires:	January 31, 2005
Estimated average burden hours per response...	0.5

(Print or Type Responses)

1. Name and Address of Reporting Person *
Nath Prem

(Last) (First) (Middle)

ASCENT SOLAR TECHNOLOGIES, INC., 8120 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)
12/31/2007

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)
Sr Vice Pres of Manufacturing

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	12/31/2007		M		5,000	A	$ 2.73	5,000	D	
Common Stock	12/31/2007		S (1)		100	D	$ 25.24	4,900	D	
Common Stock	12/31/2007		S (1)		500	D	$ 25.37	4,400	D	
Common Stock	12/31/2007		S (1)		500	D	$ 25.38	3,900	D	
	12/31/2007		S (1)		200	D		3,700	D	

Common Stock							$ 25.42			
Common Stock	12/31/2007		S[(1)]		100	D	$ 25.75	3,600	D	
Common Stock	12/31/2007		S[(1)]		600	D	$ 25.8	3,000	D	
Common Stock	12/31/2007		S[(1)]		500	D	$ 25.81	2,500	D	
Common Stock	12/31/2007		S[(1)]		2,000	D	$ 25.83	500	D	
Common Stock	12/31/2007		S[(1)]		500	D	$ 25.84	0	D	

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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 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)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Common Stock (Right to Buy)	$ 2.73	12/31/2007		M			5,000	07/31/2007[(2)]	07/31/2016	Common Stock	5,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Nath Prem ASCENT SOLAR TECHNOLOGIES, INC.			Sr Vice Pres of Manufacturing	

8120 SHAFFER PARKWAY
LITTLETON, CO 80127

Signatures

David C. Wang, as attorney-in-fact for Prem Nath	01/03/2008
**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 October 4, 2007.
- **(2)** Of the remaining unvested options in this grant, options to purchase 33,333 shares vest on July 31, 2008, and options to purchase 33,334 shares vest on July 31, 2009.
- **(3)** Mr. Nath also holds the following securities: vested options to purchase 3,333 shares of common stock that expire July 31, 2016; unvested options to purchase 66,667 shares of common stock that expire July 31, 2016; and unvested options to purchase 12,000 shares of common stock that expire on December 3, 2017.

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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