

Ascent Solar Technologies, Inc.
 Form 4
 July 08, 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 *
 Gallery Stanley

(Last) (First) (Middle)

C/O 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)
 07/01/2008

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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 Ownership (Instr. 4)
				(A) or (D)	Price		
				Code	V	Amount	
Common Stock	07/01/2008		J	A	6,111 (1)	\$ 0	105,011 D
Common Stock	07/03/2008		M	A	8,000	\$ 0.1	113,017 D

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

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SEC 1474 (9-02)

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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)	Amount or Number of Shares
Common Stock Option (Right to Buy)	\$ 0.1	07/03/2008		M	8,000	12/31/2005 ⁽²⁾ 11/18/2015	Common Stock	8,000

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Gallery Stanley
C/O ASCENT SOLAR TECHNOLOGIES, INC.
8120 SHAFFER PARKWAY
LITTLETON, CO 80127

X

Signatures

David C. Wang, as attorney-in-fact for Stanley Gallery

07/08/2008

**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) Represents an award of restricted stock. One half of this award vested immediately, one quarter of this award vests on September 30, 2008, and the remaining quarter of this award vests on December 31, 2008.
- (2) Of the remaining unvested options in this grant, options to purchase 8,000 shares vest on December 31, 2008.
- (3) Mr. Gallery holds unvested options to purchase 8,000 shares of common stock that expire on November 18, 2015.

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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