

Casteel Janet
Form 4/A
October 19, 2007

FORM 4

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

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

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
Casteel Janet

(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)
10/18/2007

4. If Amendment, Date Original
Filed(Month/Day/Year)
10/18/2007

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director ____ 10% Owner
X Officer (give title below) ____ Other (specify below)
Chief Accounting Officer

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	10/18/2007		M		1,000	A	\$ 4.25 18,000
Common Stock	10/18/2007		S ⁽¹⁾		1,000	D	\$ 16.62 17,000

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)
Common Stock Option (Right to Buy)	\$ 4.25	10/18/2007		M	1,000	03/31/2006 ⁽²⁾ 02/27/2016	Common Stock 1,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Casteel Janet C/O ASCENT SOLAR TECHNOLOGIES, INC. 8120 SHAFFER PARKWAY LITTLETON, CO 80127			Chief Accounting Officer	

Signatures

David C. Wang, as attorney-in-fact for Janet Casteel 10/19/2007

__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) This Form 4/A corrects two Forms 4 filed yesterday on behalf of Janet Casteel. Those previously filed Forms 4 incorrectly reported the sale of 13,000 shares by Ms. Casteel. In reality, on October 18, 2007, Ms. Casteel exercised options and sold 1,000 shares pursuant to a Rule 10b5-1 trading plan adopted on June 26, 2007. Ms. Casteel continues to beneficially own 17,000 shares after this reported transaction.

(2) Of the remaining unvested options in this grant, options to purchase 3,572 shares vest on March 31, 2008 and September 30, 2008, and options to purchase 3,568 shares vest on March 31, 2009.

(3) Following this transaction, Ms. Casteel holds the following securities: vested options to purchase 11,287 that expire on February 27, 2016; unvested options to purchase 13,000 shares of common stock that expire on November 18, 2015, and unvested options to purchase 10,713 shares of common stock that expire on February 27, 2016.

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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