Armstrong Joseph H Form 4 December 04, 2008

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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obligations

may continue.

See Instruction

Check this box

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

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * Armstrong Joseph H

(First) (Middle)

C/O ASCENT SOLAR TECHNOLOGIES, INC., 8120 SHAFFER PARKWAY

(Street)

2. Issuer Name and Ticker or Trading

Symbol

[ASTI]

Ascent Solar Technologies, Inc.

3. Date of Earliest Transaction

4. If Amendment, Date Original

(Month/Day/Year) 12/02/2008

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

Director 10% Owner Other (specify X_ Officer (give title

below) Vice President and CTO

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

LITTLETON, CO 80127

1.Title of

(City)

Security

(Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

(State)

(Zip)

Execution Date, if (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of

Securities Beneficially Owned Following Reported Transaction(s)

6. Ownership Form: Direct (D) or Indirect Beneficial (Instr. 4)

7. Nature of Indirect Ownership (Instr. 4)

(A) Code V Amount (D) Price

(Instr. 3 and 4)

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)

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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 or Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisab Expiration Date (Month/Day/Year		7. Title and A Underlying S (Instr. 3 and	Securities
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amour or Numbe of Shar
Common Stock Option (Right to Buy)	\$ 3.17	12/02/2008		A	10,000	01/01/2009(1)	12/02/2018	Common Stock	10,00

Reporting Owners

Reporting Owner Name / Address	Relationships				
	Director	10% Owner	Officer	Other	
Armstrong Joseph H C/O ASCENT SOLAR TECHNOLOGIES, INC. 8120 SHAFFER PARKWAY LITTLETON, CO 80127			Vice President and CTO		

Signatures

David C. Wang, as attorney-in-fact for Joseph Armstrong 12/04/2008

**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 options vest in the following amounts on the following dates: 2,500 on January 1, 2009; 2,500 on January 1, 2010; 2,500 on January 1, 2011; and 2,500 on January 1, 2012.

Dr. Armstrong also holds the following securities: 47,333 shares of common stock; vested options to purchase 14,432 shares of common stock that expire February 27, 2016; vested options (or options that will vest within 60 days) to purchase 9,000 shares of common stock

(2) that expire November 18, 2015; vested options to purchase 2,500 shares of common stock that expire on December 3, 2017; unvested options to purchase 3,568 shares of common stock that expire February 27, 2016; and unvested options to purchase 2,500 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. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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