

Armstrong Joseph H  
 Form 4  
 February 08, 2008

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL

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

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 \*  
 Armstrong Joseph H

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

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
 02/07/2008

\_\_\_ Director \_\_\_ 10% Owner  
 Officer (give title below) \_\_\_ Other (specify below)  
 Vice President and CTO

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

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 \_\_\_ Form filed by More than One Reporting Person

LITTLETON, CO 80127  
 (City) (State) (Zip)

**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)<br>Code V Amount (D) Price                             |   |  |                                   |
| Common Stock                    | 02/07/2008                           |  | M                              | 8,000 A \$ 0.1  | 49,333  | 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)

**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 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   | 02/07/2008                           |  | M                              | 8,000   | 12/31/2006 <sup>(1)</sup> 11/18/2015                     | Common Stock  | 8,000                      |

## Reporting Owners

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

## Signatures

David C. Wang, as attorney-in-fact for Joseph Armstrong  
02/08/2008

\_\_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) Of the remaining unvested options in this grant, options to purchase 8,500 shares of common stock vests on December 31, 2008.
- (2) Following this transaction, Dr. Armstrong also holds the following securities: vested options to purchase 8,288 shares of common stock that expire February 27, 2016; vested options to purchase 500 shares of common stock that expire November 11, 2015; unvested options to purchase 10,712 shares of common stock that expire February 27, 2016; unvested options to purchase 8,500 shares of common stock that expire on November 18, 2015; and unvested options to purchase 5,000 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. 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.