Swanson Richard John Form 4 June 22, 2011

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

obligations may continue. See Instruction

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).

(Print or Type Responses)

1. Name and Address of Reporting Person *

Swanson Richard John

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) 06/20/2011

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

C/O ASCENT SOLAR TECHNOLOGIES, INC., 12300

GRANT STREET

(Street) 4. If Amendment, Date Original

(Zip)

Filed(Month/Day/Year)

3.

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

THORNTON, CO 80241

(City) (State)

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

1.Title of Security (Instr. 3)

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

(Month/Day/Year)

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

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

4. Securities

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct (D) or Indirect (I) (Instr. 4)

Indirect Beneficial Ownership (Instr. 4)

Common

(D) Price Code V Amount

(Instr. 3 and 4)

Transaction(s)

Stock

06/20/2011

\$0 19,756 4,836 (1)

(A)

D

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)

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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. Transacti 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)		8. P. Derri Section (Ins
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	<u>(1)</u>	06/20/2011		M	4,836	(2)	(2)	Common Stock	4,836	

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Swanson Richard John C/O ASCENT SOLAR TECHNOLOGIES, INC. 12300 GRANT STREET THORNTON, CO 80241



Signatures

/s/ James H. 06/22/2011

**Signature of Date
Reporting Person

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) Each restricted stock unit represents a contingent right to receive one share of the issuer's common stock.
- (2) The restricted stock units vest in four equal installments on March 21, 2011, June 20, 2011, September 19, 2011 and December 19, 2011.

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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