Eller Ron Form 3 July 08, 2009

## FORM 3

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

**OMB APPROVAL** 

**OMB** Number:

3235-0104

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INITIAL STATEMENT OF 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 \*

(Last)

Eller Ron

(First)

(Middle)

Statement

(Month/Day/Year)

06/30/2009

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

Ascent Solar Technologies, Inc. [ASTI]

4. Relationship of Reporting Person(s) to Issuer

5. If Amendment, Date Original

Filed(Month/Day/Year)

C/O ASCENT SOLAR TECHNOLOGIES, INC., 12300 GRANT STREET

(Street)

\_X\_ Director Officer

(give title below) (specify below)

(Check all applicable)

10% Owner \_ Other

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

Person

Form filed by More than One Reporting Person

THORNTON, COÂ 80241

(City) (State)

1. Title of Security (Instr. 4)

(Zip)

Table I - Non-Derivative Securities Beneficially Owned 2. Amount of Securities

Beneficially Owned

(Instr. 4)

3. Ownership 4. Nature of Indirect Beneficial Ownership

Form: (Instr. 5)

Direct (D) or Indirect (I)

(Instr. 5)

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

SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)

2. Date Exercisable and **Expiration Date** (Month/Day/Year)

Date

3. Title and Amount of Securities Underlying Derivative Security

4. Conversion or Exercise Price of

5. Ownership Form of Derivative

6. Nature of Indirect Beneficial Ownership (Instr. 5)

(Instr. 4)

**Expiration Title** Exercisable Date

Amount or Number of

Derivative Security: Security Direct (D)

1

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### **Reporting Owners**

Reporting Owner Name / Address

Director 10% Owner Officer Other

Eller Ron

C/O ASCENT SOLAR TECHNOLOGIES, INC. 12300 GRANT STREET

THORNTON, COÂ 80241

## **Signatures**

Jason H. Barker, as attorney-in-fact for
Ron Eller

\*\*Signature of Reporting Person

Date

# **Explanation of Responses:**

- \* If the form is filed by more than one reporting person, see Instruction 5(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 restricted stock units vest in the following amounts on the following dates: 50% on September 30, 2009; and 50% on December 31, 2009
- (2) Each restricted stock unit represents a contingent right to receive one share of the Issuer's common stock.

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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