Ascent Solar Technologies, Inc.

Form 3

April 03, 2008

FORM 3

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

OMB APPROVAL

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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 *

Gatchell Gary

(Last)

(First)

Statement

(Month/Day/Year)

03/31/2008

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

5. If Amendment, Date Original

C/O ASCENT SOLAR

TECHNOLOGIES, INC., Â 8120

SHAFFER PARKWAY

(Street)

Ascent Solar Technologies, Inc. [ASTI]

4. Relationship of Reporting Person(s) to Issuer

Filed(Month/Day/Year)

10% Owner Director _X__ Officer Other

(Check all applicable)

(give title below) (specify below) Chief Financial 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

4. Nature of Indirect Beneficial

LITTLETON. COÂ 80127

(City) (State)

(Instr. 4)

(Zip)

(Middle)

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security

2. Amount of Securities Beneficially Owned

(Instr. 4)

3. Ownership Form:

Ownership (Instr. 5)

Direct (D) or Indirect (I)

(Instr. 5)

Common Stock

40,000 (1)

Â D

Reminder: Report on a separate line for each class of securities beneficially

owned directly or indirectly.

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SEC 1473 (7-02)

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

1. Title of Derivative Security (Instr. 4)

Expiration Date (Month/Day/Year)

2. Date Exercisable and 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)

4. 5. Ownership Conversion or Exercise Form of

6. Nature of Indirect Beneficial Ownership

(Instr. 5)

Price of Derivative Derivative

Security:

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Date Expiration Title Amount or Security Direct (D)

Exercisable Date Number of or Indirect
Shares (I)

(Instr. 5)

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Gatchell Gary

C/O ASCENT SOLAR TECHNOLOGIES, INC. 8120 SHAFFER PARKWAY LITTLETON, COÂ 80127

 \hat{A} \hat{A} \hat{A} Chief Financial Officer \hat{A}

Signatures

Gary Gatchell 03/31/2008

**Signature of Date
Reporting Person

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).

Represents restricted stock granted on March 31, 2008 in connection with Mr. Gatchell's employment with the Issuer. These shares of restricted stock are scheduled to vest annually through 2011 upon achievement of various performance criteria set forth in Mr. Gatchell's employment agreement with the Issuer.

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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