Gatchell Gary Form 4 December 04, 2008

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Expires:

January 31, 2005

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response...

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 * Gatchell Gary

5. Relationship of Reporting Person(s) to Issuer

Symbol

12/02/2008

Ascent Solar Technologies, Inc.

2. Issuer Name and Ticker or Trading

(Check all applicable)

[ASTI]

(Last) (First) (Middle)

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

X_ Officer (give title below)

Director

10% Owner Other (specify

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

(Instr. 4)

Chief Financial Officer

Applicable Line)

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

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 2A. Deemed (Month/Day/Year)

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

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial

Ownership (Instr. 4)

(A)

Reported Transaction(s)

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. 5. Number of TransactionDerivative Code Securities (Instr. 8) 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)	
				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	20,000	01/01/2009(1)	12/02/2018	Common Stock	20,00

Reporting Owners

Relationships Reporting Owner Name / Address

Director 10% Owner Officer Other

Gatchell Gary C/O ASCENT SOLAR TECHNOLOGIES, INC. 8120 SHAFFER PARKWAY LITTLETON, CO 80127

Chief Financial Officer

Signatures

David C. Wang, as attorney-in-fact for Gary 12/04/2008 Gatchell

> **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).
- The options vest in the following amounts on the following dates: 5,000 on January 1, 2009; 5,000 on January 1, 2010; 5,000 on January **(1)** 1, 2011; and 5,000 on January 1, 2012.
- Mr. Gatchell also holds the following securities: 13,500 shares of common stock; and 40,000 shares of restricted stock which are (2) 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.

Reporting Owners 2