Foster Matthew Form 4 April 16, 2007

FORM 4

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

Check this box if no longer subject to Section 16.

Form 4 or

obligations

may continue.

See Instruction

Form 5

1(b).

(Last)

Security

(Instr. 3)

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

OMB APPROVAL

OMB Number:

3235-0287

January 31, Expires: 2005

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(Print or Type Responses)

1. Name and Address of Reporting Person * Foster Matthew

(Middle)

(First)

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

(Street)

Filed(Month/Day/Year)

2. Issuer Name and Ticker or Trading

Symbol

[ASTI]

Ascent Solar Technologies, Inc.

3. Date of Earliest Transaction

4. If Amendment, Date Original

(Month/Day/Year) 04/10/2007

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

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

below)

President and CEO

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

LITTLETON, CO 80127

(City) (State) (Zip) 1.Title of 2. Transaction Date 2A. Deemed

(Month/Day/Year)

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

(Month/Day/Year)

3. Execution Date, if Code

4. Securities Acquired 5. Amount of Transaction(A) or Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

Securities Beneficially Owned Following Reported

Form: Direct Indirect (D) or Indirect (I) (Instr. 4)

Beneficial Ownership (Instr. 4)

(9-02)

6. Ownership 7. Nature of

(A) Transaction(s) or (Instr. 3 and 4) Code V (D) Price Amount

Common By 15 (1) 04/10/2007 S I 200 D 8.74 Stock Spouse.

Common 105,000 (2) D Stock

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)

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate	Amoun	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8) Derivative		e		Securit	ies	(Instr. 5)	Bene
	Derivative				Securities Acquired			(Instr. 3	3 and 4)		Own
	Security										Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A manuat		
									Amount		
					Date	Date	Expiration	Or Title Nesselves			
						Exercisable Date	Date		Number		
				C + V	(A) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

Officer Other Director 10% Owner

Foster Matthew C/O ASCENT SOLAR TECHNOLOGIES, INC. 8120 SHAFFER PARKWAY LITTLETON, CO 80127

President and CEO

Signatures

David C. Wang, as attorney-in-fact for Matthew B. 04/13/2007 Foster

> **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).
- Following the reported transaction, Mr. Foster's spouse holds 15 shares of common stock, 215 Class A warrants and 430 Class B **(1)** warrants.
- In addition to 105,000 shares of common stock, Mr. Foster also holds options to purchase 20,000 shares of common stock that expire on November 18, 2015 and options to purchase 100,000 shares of common stock that expire on February 27, 2016.

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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