Russell TW Fraser Form 4 February 05, 2008

FORM 4

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

OMB Number:

Check this box if no longer subject to Section 16. Form 4 or

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

1(b).

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obligations

may continue.

See Instruction

(Print or Type Responses)

1. Name and Address of Reporting Person * Russell TW Fraser

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

Expires:

response...

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

Symbol

Ascent Solar Technologies, Inc.

(Check all applicable)

[ASTI]

(Last)

(First) (Middle) 3. Date of Earliest Transaction

(Month/Day/Year)

02/01/2008

_X__ Director 10% Owner __ Other (specify

Officer (give title

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

(Street)

4. If Amendment, Date Original

Applicable Line)

Filed(Month/Day/Year)

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

6. Individual or Joint/Group Filing(Check

Person

LITTLETON, CO 80127

(City)	(State) (Zip) Table	e I - Non-D	erivative	Secur	ities Acqu	uired, Disposed of	f, or Beneficial	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired n(A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock	02/01/2008		S(1)	29	D	\$ 15.49	8,511	D	
Common Stock	02/01/2008		S(1)	57	D	\$ 15.5	8,454	D	
Common Stock	02/01/2008		S <u>(1)</u>	57	D	\$ 15.51	8,397	D	
Common Stock	02/01/2008		S(1)	85	D	\$ 15.52	8,312	D	
	02/01/2008		S(1)	200	D		8,112	D	

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Common Stock					\$ 15.54		
Common Stock	02/01/2008	S(1)	56	D	\$ 15.56	8,056	D
Common Stock	02/01/2008	S(1)	56	D	\$ 15.57	8,000	D
Common Stock	02/05/2008	M	8,000	A	\$ 0.1	16,000	D

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

Persons who respond to the collection of SEC 1474 information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

(9-02)

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

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 Transaction Derivative Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4,		Derivative Expiration Date (urities (Month/Day/Year) quired or posed of str. 3, 4,		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	and 5) (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Common Stock (Right to Buy)	\$ 0.1	02/05/2008		M	8,000	12/31/2005(2)	11/18/2015	Common Stock	8,000

Relationshins

Reporting Owners

Reporting Owner Name / Address		Kelationships						
	Director	10% Owner	Officer	Other				

Russell TW Fraser C/O ASCENT SOLAR TECHNOLOGIES, INC. 8120 SHAFFER PARKWAY LITTLETON, CO 80127

X

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Signatures

David C. Wang, as attorney-in-fact for TW Fraser Russell 02/05/2008

**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).
- (1) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on October 31, 2007.
- (2) Options to purchase 8,000 shares vest on each of December 31, 2005, 2006, 2007 and 2008.
- (3) Dr. Russell holds unvested options to purchase 8,000 shares of common stock that expire on November 18, 2015.

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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