

Moghadam Farhad
Form 3
August 05, 2009

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 *

Â Moghadam Farhad
(Last) (First) (Middle)

2. Date of Event Requiring
Statement

(Month/Day/Year)
08/03/2009

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)

(Check all applicable)

____ Director ____ 10% Owner
__X__ Officer ____ Other
(give title below) (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 Person

C/O ASCENT SOLAR
TECHNOLOGIES,
INC.,Â 12300 GRANT STREET
(Street)

THORNTON,Â COÂ 80241
(City) (State) (Zip)

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security
(Instr. 4)

2. Amount of Securities
Beneficially Owned
(Instr. 4)

3. Ownership
Form:
Direct (D)
or Indirect
(I)
(Instr. 5)

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

Common Stock

14,000 ⁽¹⁾

D Â

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

SEC 1473 (7-02)

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information contained in this form are not
required to respond unless the form displays a
currently valid OMB control number.**

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)

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

4. Conversion
or Exercise
Price of
Derivative
Security:

5. Ownership
Form of
Derivative
Security:

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

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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Restricted Stock Units	08/03/2011 ⁽²⁾	Â ⁽²⁾	Common Stock	55,000	\$ ⁽³⁾	D	Â
Restricted Stock Units	08/03/2012 ⁽⁴⁾	Â ⁽⁴⁾	Common Stock	35,000	\$ ⁽³⁾	D	Â
Common Stock Option (Right to Buy)	08/03/2010 ⁽⁵⁾	08/03/2019	Common Stock	100,000	\$ 0	D	Â
Common Stock Option (Right to Buy)	08/03/2010 ⁽⁵⁾	08/03/2019	Common Stock	200,000	\$ 0	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Moghadam Farhad C/O ASCENT SOLAR TECHNOLOGIES, INC. 12300 GRANT STREET THORNTON,Â COÂ 80241	Â	Â	Â President and CEO	Â

Signatures

David C. Wang, as attorney-in-fact for Farhad Moghadam

08/05/2009

__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).

- Of the restricted stock units granted to Dr. Moghadam on August 3, 2009, 20,000 vested immediately. Pursuant to the award agreement
- (1) and the Issuer's 2008 Restricted Stock Plan under which the award was made, 6,000 shares were retained by the Issuer for purposes of tax withholding, resulting in a net issuance of 14,000 shares.
 - (2) The restricted stock units vest in the following amounts on the following dates: 20,000 on August 3, 2011; 15,000 on August 3, 2012; and 20,000 on August 3, 2013.
 - (3) Each restricted stock unit represents a contingent right to receive one share of the Issuer's common stock.
 - (4) Up to 15,000 restricted stock units will vest on August 3, 2012, and up to 20,000 restricted stock units will vest on August 3, 2013, in each case the Issuer's Board of Directors or its Compensation Committee will determine the total amount to be vested based upon an evaluation of the Dr. Moghadam's performance relative to agreed upon performance criteria.
 - (5) The stock option vests in the following amounts on the following dates: 25% of the option vests on August 3, 2010; 25% of the option vests on August 3, 2011; 25% of the option vests on August 3, 2012; and 25% of the option vests on August 3, 2013.

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.