Ahearn Michael J Form 4 April 29, 2010

FORM 4

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

OMB 3235-0287 Number:

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005

OMB APPROVAL

Estimated average burden hours per response... 0.5

Form 5 obligations may continue. See Instruction 1(b).

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 * Ahearn Michael J

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Last) (First)

(Middle)

FIRST SOLAR, INC. [FSLR]

(Check all applicable)

C/O FIRST SOLAR, INC, 350

WEST WASHINGTON STREET SUITE 600

(Street)

3. Date of Earliest Transaction

(Month/Day/Year) 04/27/2010

X Director 10% Owner X_ Officer (give title Other (specify below)

Executive Chairman

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

TEMPE, AZ 85281-1244

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative	Secu	rities Acqu	ired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securi or(A) or D (Instr. 3,	ispose 4 and (A) or	d of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	04/27/2010		M	3,978 (1)	A	\$ 0	1,577,817	I	By Michael J. Ahearn 2006 GRAT
Common Stock	04/27/2010		F	1,414 (2)	D	\$ 128.36	1,576,403	I	By Michael J. Ahearn 2006 GRAT
	04/28/2010		M		A	\$0	1,579,017	I	

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Common Stock			2,614 (<u>3)</u>					By Michael J. Ahearn 2006 GRAT
Common Stock	04/28/2010	F	1,072 (2)	D	\$ 128.13	1,577,945	I	By Michael J. Ahearn 2006 GRAT
Common Stock						7,838	D	

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

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SEC 1474

(9-02)

 $\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$

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. Transactic Code (Instr. 8)	Transaction Derivative Code Securities		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Pr Deriv Secu (Instr
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	<u>(4)</u>	04/27/2010		M		3,978	<u>(5)</u>	<u>(5)</u>	Common Stock	3,978	\$
Restricted Stock Units	<u>(4)</u>	04/28/2010		M		2,614	<u>(6)</u>	<u>(6)</u>	Common Stock	2,614	\$

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
	Y		Executive Chairman					

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Ahearn Michael J C/O FIRST SOLAR, INC 350 WEST WASHINGTON STREET SUITE 600 TEMPE, AZ 85281-1244

Signatures

/s/ Peter C. Bartolino, Attorney-in-fact

04/29/2010

**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) Represents shares of common stock issued pursuant to the vesting of 20% of the restricted stock units granted on April 27, 2009.
- (2) Represents shares of common stock withheld by the Issuer to satisfy certain tax withholding obligations associated with the vesting of the restricted stock units.
- (3) Represents shares of common stock issued pursuant to the vesting of 20% of the restricted stock units granted on April 28, 2008.
- (4) Each restricted stock unit represents the right to receive, upon vesting, one share of the Issuer's common stock in accordance with the Issuer's Amended and Restated 2006 Omnibus Incentive Plan.
- The restricted stock units were granted on April 27, 2009 as part of the Issuer's annual equity grant to executive officers. These units are scheduled to vest annually at a rate of 20% on each of the first three anniversaries of the grant date, and 40% on the fourth anniversary of the grant date.
- The restricted stock units were granted on April 28, 2008 as part of the Issuer's annual equity grant to executive officers. These units are scheduled to vest annually at a rate of 20% on each of the first three anniversaries of the grant date, and 40% on the fourth anniversary of the grant date.

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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