Gaffney John T Form 4 October 02, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box

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(b).

See Instruction

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading Gaffney John T Symbol FIRST SOLAR, INC. [FSLR] (Last) (First) (Middle)

(Zin)

(Check all applicable) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner Other (specify X_ Officer (give title 09/30/2009 below)

Issuer

C/O FIRST SOLAR, INC., 350 WEST WASHINGTON STREET SUITE 600

(Street)

(State)

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

Executive VP

5. Relationship of Reporting Person(s) to

TEMPE, AZ 85281-1244

(City)

| (City) | (State) | Table | e I - Non-D | Derivative | Secur | 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. Transaction Code (Instr. 8) | 4. Securi on(A) or Di (Instr. 3, | spose | 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 | 09/30/2009 | | M | 1,311 (1) | A | \$ 0 | 9,907 | D | |
| Common Stock | 09/30/2009 | | F | 635 (2) | D | \$ 152.86 | 9,272 | D | |

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 Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | e 3A. Deemed Execution Date, if any (Month/Day/Year) | Code | 5. Number on Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | of Derivative Expiration Date Securities (Month/Day/Year) Acquired (A) or Disposed of (D) (Instr. 3, 4, | | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | | 8. Pr Deriv Secu (Inst |
|---|---|---|---|--------|---|---|--------------------|---|--|---------------------------------|
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| Restricted Stock Units | <u>(3)</u> | 09/30/2009 | | M | 1,311 | <u>(4)</u> | <u>(4)</u> | Common Stock | 1,311 | \$ |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | |
|--------------------------------------|---------------|-----------|-----------|-------|--|--|
| coporting of the runner, runners | Director | 10% Owner | Officer | Other | | |
| Gaffney John T | | | | | | |
| C/O FIRST SOLAR, INC. | | | Executive | | | |
| 350 WEST WASHINGTON STREET SUITE 600 | | | VP | | | |
| TEMPE, AZ 85281-1244 | | | | | | |

Signatures

/s/ Richard Mittermaier,
Attorney-in-fact
10/02/2009

**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 upon vesting of 1/20th of the restricted stock units granted on December 31, 2007.
- (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) 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.
- (4) The units are scheduled to vest in 20 equal quarterly installments commencing on March 31, 2008.

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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