

Wessels Maja  
 Form 3  
 December 13, 2010

**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 *                     |         | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol                            |  |
| Â Wessels Maja  |         | (Month/Day/Year)                     | FIRST SOLAR, INC. [FSLR]   |  |
| (Last)  | (First) | (Middle)                             | 4. Relationship of Reporting Person(s) to Issuer                       | 5. If Amendment, Date Original Filed(Month/Day/Year) |
|   |         | 12/07/2010                           |  |  |
| C/O FIRST SOLAR, INC.,Â 350 WEST WASHINGTON STREET, SUITE 600 |         |                                      | (Check all applicable)   |  |
| (Street)  |         |                                      | <input type="checkbox"/> Director                                      | <input type="checkbox"/> 10% Owner                   |
|   |         |                                      | <input checked="" type="checkbox"/> Officer                            | <input type="checkbox"/> Other                       |
|   |         |                                      | (give title below) (specify below)                                     |  |
|   |         |                                      | EVP, Global Public Affairs   |  |
|   |         |                                      | 6. Individual or Joint/Group Filing(Check Applicable Line)             |  |
|   |         |                                      | <input checked="" type="checkbox"/> Form filed by One Reporting Person |  |
|   |         |                                      | <input type="checkbox"/> Form filed by More than One Reporting Person  |  |
| TEMPE,Â AZÂ 85281   |         |                                      |  |  |
| (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                    | 3,122   | D  | Â   |

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

SEC 1473 (7-02)

**Persons who respond to the collection of 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 | 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 | Â (2)            | Â (2)           | Common Stock | 5,700                      | \$ (1)   | D                                     | Â |
| Restricted Stock Units | Â (3)            | Â (3)           | Common Stock | 6,893                      | \$ (1)   | D                                     | Â |
| Restricted Stock Units | Â (4)            | Â (4)           | Common Stock | 5,606                      | \$ (1)   | D                                     | Â |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |                              |       |
|---|---------------|-----------|------------------------------|-------|
|   | Director      | 10% Owner | Officer                      | Other |
| Wessels Maja<br>C/O FIRST SOLAR, INC.<br>350 WEST WASHINGTON STREET, SUITE 600<br>TEMPE, AZ 85281 | Â             | Â         | Â EVP, Global Public Affairs | Â     |

## Signatures

/s/ Peter C. Bartolino, 12/13/2010  
 Attorney-in-fact

\*\*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).
- (1) 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 July 28, 2008. The units are scheduled to vest annually from the grant date at a rate of 20% on each of the first three anniversaries of the grant date, with the remaining 40% scheduled to vest on the fourth anniversary of the grant date.
- (3) The restricted stock units were granted on April 27, 2009. The units are scheduled to vest annually from the grant date at a rate of 20% on each of the first three anniversaries of the grant date, with the remaining 40% scheduled to vest on the fourth anniversary of the grant date.
- (4) The restricted stock units were granted on March 24, 2010. The units are scheduled to vest annually from the grant date at a rate of 20% on each of the first three anniversaries of the grant date, with the remaining 40% scheduled to vest on the fourth anniversary of the grant date.

Â  
**Remarks:**  
 Exhibit List - Exhibit 24, Power of Attorney

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.