

SunEdison Semiconductor Ltd  
 Form 4  
 July 31, 2015

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2015  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 ALVAREZ ANTONIO R

2. Issuer Name and Ticker or Trading Symbol  
 SunEdison Semiconductor Ltd  
 [SEMI]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
 07/29/2015

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

C/O SUNEDISON  
 SEMICONDUCTOR LIMITED, 501  
 PEARL DRIVE

(Street)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

ST. PETERS, MO 63376

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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 (A) or Disposed of (D) (Instr. 3, 4 and 5) | 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 Ownership (Instr. 4) |   |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|---|
|                                 |                                      |  |                                | (A) or (D)  | Price   |  |                                   |   |
|                                 |                                      |  |                                | Code  | V   | Amount   |                                   |   |
| Ordinary Shares                 | 07/29/2015                           |  | M                              | 1,563   | A   | \$ 0   | 1,563                             | D |
| Ordinary Shares                 | 07/29/2015                           |  | M                              | 4,400   | A   | \$ 0   | 5,963                             | 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)

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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) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. F...         |                            |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-----------------|----------------------------|
|  |  |                                      |  | Code                           | V (A) (D)   | Date Exercisable   | Expiration Date   | Title           | Amount or Number of Shares |
| Restricted Stock Units                     | (1)  | 07/29/2015                           |  | A                              | 10,300  | (2)  | (2)   | Ordinary Shares | 10,300                     |
| Restricted Stock Units                     | (1)  | 07/29/2015                           |  | M                              | 4,400   | (3)  | (3)   | Ordinary Shares | 4,400                      |
| Restricted Stock Units                     | (1)  | 07/29/2015                           |  | M                              | 1,563   | (4)  | (4)   | Ordinary Shares | 1,563                      |

## Reporting Owners

**Reporting Owner Name / Address**

**Relationships**

Director    10% Owner    Officer    Other

ALVAREZ ANTONIO R  
C/O SUNEDISON SEMICONDUCTOR LIMITED  
501 PEARL DRIVE  
ST. PETERS, MO 63376

X

## Signatures

By Sally H. Townsley, under Power of Attorney

07/31/2015

\_\_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) Each restricted stock unit represents a contingent right to receive one ordinary share of SunEdison Semiconductor Limited.

(2) The restricted stock units will vest in full on the first anniversary date of the grant date, July 29, 2016.

(3) The restricted stock units vest in full on July 29, 2015.

(4) The remaining restricted stock units vest as follows: 1,563 units on July 29, 2016 and 1,562 units on each of July 29, 2017 and July 29, 2018.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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