

SunEdison Semiconductor Ltd
 Form 4
 August 18, 2015

FORM 4

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

OMB APPROVAL

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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 *
SADASIVAM SHAKER

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)
08/14/2015

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

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 | | |
| Ordinary Shares | 08/14/2015 | | P | 8,808 | A \$ 13.5 | 38,728 | D |
| Ordinary Shares | 08/14/2015 | | P | 5,000 | A \$ 13.43 | 43,728 | D |
| Ordinary Shares | 08/14/2015 | | P | 2,000 | A \$ 13.46 | 45,728 | D |
| Ordinary Shares | 08/14/2015 | | P | 1,400 | A \$ 13.45 | 47,128 | D |
| | 08/14/2015 | | P | 1,200 | A | 48,328 | D |

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| | | | | | | | |
|-----------------|------------|---|-----|---|----------|--------|---|
| Ordinary Shares | | | | | \$ 13.33 | | |
| Ordinary Shares | 08/14/2015 | P | 800 | A | \$ 13.38 | 49,128 | D |
| Ordinary Shares | 08/14/2015 | P | 700 | A | \$ 13.39 | 49,828 | D |
| Ordinary Shares | 08/14/2015 | P | 600 | A | \$ 13.42 | 50,428 | D |
| Ordinary Shares | 08/14/2015 | P | 500 | A | \$ 13.36 | 50,928 | D |
| Ordinary Shares | 08/14/2015 | P | 400 | A | \$ 13.41 | 51,328 | D |
| Ordinary Shares | 08/14/2015 | P | 400 | A | \$ 13.44 | 51,728 | D |
| Ordinary Shares | 08/14/2015 | P | 300 | A | \$ 13.48 | 52,028 | D |
| Ordinary Shares | 08/14/2015 | P | 200 | A | \$ 13.3 | 52,228 | D |
| Ordinary Shares | 08/14/2015 | P | 200 | A | \$ 13.32 | 52,428 | D |
| Ordinary Shares | 08/14/2015 | P | 200 | A | \$ 13.4 | 52,628 | D |
| Ordinary Shares | 08/14/2015 | P | 100 | A | \$ 13.28 | 52,728 | D |
| Ordinary Shares | 08/14/2015 | P | 100 | A | \$ 13.31 | 52,828 | D |
| Ordinary Shares | 08/14/2015 | P | 100 | A | \$ 13.34 | 52,928 | D |
| Ordinary Shares | 08/14/2015 | P | 100 | A | \$ 13.37 | 53,028 | D |
| Ordinary Shares | 08/14/2015 | P | 100 | A | \$ 13.47 | 53,128 | D |

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

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(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

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| 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. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Owned Following Transaction (Instr. 5) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| SADASIVAM SHAKER C/O SUNEDISON SEMICONDUCTOR LIMITED 501 PEARL DRIVE ST. PETERS, MO 63376 | X | | CEO | |

Signatures

Sally H. Townsley, under Power of Attorney 08/18/2015

**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).

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