

SUN MICROSYSTEMS, INC.
 Form 3/A
 September 25, 2006

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 Fowler John F | | (Month/Day/Year) | SUN MICROSYSTEMS, INC. [SUNW] | |
| (Last) | (First) | (Middle) | 09/05/2006 | |
| 4150 NETWORK CIRCLE | | | 4. Relationship of Reporting Person(s) to Issuer | |
| (Street) | | | (Check all applicable) | |
| SANTA CLARA, Â CA Â 95054 | | | <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) EVP, Systems Group | |
| (City) | (State) | (Zip) | 5. If Amendment, Date Original Filed(Month/Day/Year) | |
| | | | 09/15/2006 | |
| 1. Title of Security | | 2. Amount of Securities Beneficially Owned | | 3. Ownership Form: |
| (Instr. 4) | | (Instr. 4) | | Direct (D) or Indirect (I) (Instr. 5) |
| Common Stock | | 137,048 ⁽¹⁾ | | D Â |
| Common Stock | | 9,834 | | I Shares held by wife. |

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

Table I - Non-Derivative Securities Beneficially Owned

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 | 2. Date Exercisable and Expiration Date | 3. Title and Amount of Securities Underlying Derivative Security | 4. Conversion or Exercise Price of Derivative | 5. Ownership Form of Derivative Security: | 6. Nature of Indirect Beneficial Ownership |
| (Instr. 4) | (Month/Day/Year) | (Instr. 4) | | | (Instr. 5) |

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| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Security | Direct (D) or Indirect (I) (Instr. 5) | |
|---|---------------------------|-----------------|--------------|----------------------------|------------|---------------------------------------|---|
| Employee Stock Option (Right to Buy) <u>(2)</u> | 11/11/1999 ⁽³⁾ | 11/11/2006 | Common Stock | 24,000 | \$ 7.8672 | D | Â |
| Employee Stock Option (Right to Buy) <u>(2)</u> | 04/20/2000 ⁽³⁾ | 04/20/2007 | Common Stock | 4,000 | \$ 12.5313 | D | Â |
| Employee Stock Option (Right to Buy) <u>(2)</u> | 08/11/2000 ⁽³⁾ | 08/11/2007 | Common Stock | 8,000 | \$ 17 | D | Â |
| Employee Stock Option (Right to Buy) <u>(2)</u> | 11/10/2000 ⁽³⁾ | 11/10/2007 | Common Stock | 20,000 | \$ 28.0782 | D | Â |
| Employee Stock Option (Right to Buy) <u>(2)</u> | 04/12/2001 ⁽³⁾ | 04/12/2008 | Common Stock | 10,000 | \$ 40 | D | Â |
| Employee Stock Option (Right to Buy) <u>(2)</u> | 04/18/2002 ⁽³⁾ | 04/18/2009 | Common Stock | 8,000 | \$ 18.58 | D | Â |
| Employee Stock Option (Right to Buy) <u>(2)</u> | 09/27/2002 ⁽³⁾ | 09/27/2009 | Common Stock | 10,000 | \$ 7.91 | D | Â |
| Employee Stock Option (Right to Buy) <u>(2)</u> | 11/07/2002 ⁽³⁾ | 11/07/2009 | Common Stock | 25,000 | \$ 12.59 | D | Â |
| Employee Stock Option (Right to Buy) <u>(2)</u> | 11/07/2002 ⁽³⁾ | 11/07/2009 | Common Stock | 25,000 | \$ 12.59 | D | Â |
| Employee Stock Option (Right to Buy) <u>(2)</u> | 03/19/2003 ⁽³⁾ | 03/19/2010 | Common Stock | 200 | \$ 9.14 | D | Â |
| Employee Stock Option (Right to Buy) <u>(2)</u> | 03/19/2003 ⁽³⁾ | 03/19/2010 | Common Stock | 5,000 | \$ 9.14 | D | Â |
| Employee Stock Option (Right to Buy) <u>(2)</u> | 07/25/2003 ⁽⁴⁾ | 07/25/2010 | Common Stock | 8,000 | \$ 3.7 | D | Â |
| Employee Stock Option (Right to Buy) <u>(2)</u> | 07/25/2003 ⁽⁵⁾ | 07/25/2010 | Common Stock | 26,883 | \$ 3.7 | D | Â |
| Employee Stock | 05/21/2004 ⁽⁶⁾ | 05/21/2011 | Common | 30,000 | \$ 4.2 | D | Â |

| Option (Right to Buy) | | Stock | | | | | | |
|-----------------------|-----------------------|----------------------------|------------|--------------|---------|-----------|---|-----------------------|
| <u>(2)</u> | | | | | | | | |
| Employee Stock | | | | | | | | |
| <u>(2)</u> | Option (Right to Buy) | 11/13/2004 ⁽⁷⁾ | 11/13/2011 | Common Stock | 25,000 | \$ 4.208 | D | Â |
| Employee Stock | | | | | | | | |
| <u>(2)</u> | Option (Right to Buy) | 07/29/2005 ⁽⁸⁾ | 07/29/2012 | Common Stock | 300,000 | \$ 3.79 | D | Â |
| Employee Stock | | | | | | | | |
| <u>(2)</u> | Option (Right to Buy) | 07/28/2006 ⁽⁹⁾ | 07/28/2013 | Common Stock | 300,000 | \$ 3.85 | D | Â |
| Employee Stock | | | | | | | | |
| <u>(2)</u> | Option (Right to Buy) | 07/27/2007 ⁽¹⁰⁾ | 07/27/2014 | Common Stock | 500,000 | \$ 4.26 | D | Â |
| Employee Stock | | | | | | | | |
| <u>(2)</u> | Option (Right to Buy) | 11/11/1999 ⁽³⁾ | 11/11/2006 | Common Stock | 80,000 | \$ 7.8672 | I | Options held by wife. |
| Employee Stock | | | | | | | | |
| <u>(2)</u> | Option (Right to Buy) | 04/18/2002 ⁽³⁾ | 04/18/2009 | Common Stock | 1,500 | \$ 18.58 | I | Options held by wife. |
| Employee Stock | | | | | | | | |
| <u>(2)</u> | Option (Right to Buy) | 03/19/2003 ⁽³⁾ | 03/19/2010 | Common Stock | 200 | \$ 9.14 | I | Options held by wife. |
| Employee Stock | | | | | | | | |
| <u>(2)</u> | Option (Right to Buy) | 12/17/2003 ⁽¹¹⁾ | 07/25/2010 | Common Stock | 3,000 | \$ 3.7 | I | Options held by wife. |
| Employee Stock | | | | | | | | |
| <u>(2)</u> | Option (Right to Buy) | 02/09/2006 ⁽¹²⁾ | 09/17/2012 | Common Stock | 3,000 | \$ 3.94 | I | Options held by wife. |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|----------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Fowler John F 4150 NETWORK CIRCLE SANTA CLARA, CA 95054 | Â | Â | Â EVP, Systems Group | Â |

Signatures

/s/ John F. Fowler
09/25/2006

**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) This includes 85,750 shares of unvested restricted stock. This total was incorrectly listed as 137,678 on the Form 3 filed on September 15, 2006.
- (2) This option was granted under the Sun Microsystems, Inc. 1990 Long-Term Equity Incentive Plan.
- (3) Immediately.
- (4) This option vests and becomes exercisable in five equal annual installments of 1,600 shares beginning on July 25, 2003.
- (5) This option vests and becomes exercisable in five equal annual installments of approximately 5,377 shares beginning on July 25, 2003.
- (6) This option vests and becomes exercisable in five equal annual installments of 6,000 shares beginning on May 21, 2004.
- (7) This option vests and becomes exercisable in five equal annual installments of 5,000 shares beginning on November 13, 2004.
- (8) This option vests and becomes exercisable in five equal annual installments of 60,000 shares beginning on July 29, 2005.
- (9) This option vests and becomes exercisable in five equal annual installments of 60,000 shares beginning on July 28, 2006.
- (10) This option vests and becomes exercisable in five equal annual installments of 100,000 shares beginning on July 27, 2007.
- (11) This option vests and becomes exercisable in five equal annual installments of 600 shares beginning on December 17, 2003.
- (12) This option vests and becomes exercisable in five equal annual installments of 600 shares beginning on February 9, 2006.

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.