Sutphin Brian Joseph Form 3 October 13, 2009

FORM 3

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

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

OMB APPROVAL

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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 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement SUN MICROSYSTEMS, INC. [JAVA] A Sutphin Brian Joseph (Month/Day/Year) 10/02/2009 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 10 NETWORK CIRCLE, M/S: (Check all applicable) UMPK10-147 (Street) 6. Individual or Joint/Group 10% Owner Director _X__ Officer Other Filing(Check Applicable Line) (give title below) (specify below) _X_ Form filed by One Reporting EVP, Corporate Dev. & Alliance Person MENLO PARK, Â CAÂ 94025 Form filed by More than One Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 1. Title of Security 2. Amount of Securities 4. Nature of Indirect Beneficial Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) Â Common Stock 100,661 (1) D Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly. 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 3. Title and Amount of 5. 6. Nature of Indirect **Expiration Date** Beneficial Ownership (Instr. 4) Securities Underlying Conversion Ownership (Month/Day/Year) **Derivative Security** or Exercise Form of (Instr. 5) (Instr. 4) Price of Derivative Derivative Security: Title Direct (D) Security

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	Date Exercisable	Expiration Date		Amount or Number of Shares		or Indirect (I) (Instr. 5)	
Employee Stock Option (Right to Buy)	(2)	11/07/2009	Common Stock	3,125	\$ 50.36	D	Â
Employee Stock Option (Right to Buy)	(2)	11/07/2009	Common Stock	3,125	\$ 50.36	D	Â
Employee Stock Option (Right to Buy)	(2)	03/19/2010	Common Stock	50	\$ 36.56	D	Â
Employee Stock Option (Right to Buy)	(2)	03/19/2010	Common Stock	2,500	\$ 36.56	D	Â
Employee Stock Option (Right to Buy)	(2)	07/25/2010	Common Stock	750	\$ 14.8	D	Â
Employee Stock Option (Right to Buy)	(2)	05/21/2011	Common Stock	1,150	\$ 16.8	D	Â
Employee Stock Option (Right to Buy)	(2)	11/13/2011	Common Stock	3,500	\$ 16.832	D	Â
Employee Stock Option (Right to Buy)	(2)	07/29/2012	Common Stock	45,000	\$ 15.16	D	Â
Employee Stock Option (Right to Buy)	(2)	07/28/2013	Common Stock	60,000	\$ 15.4	D	Â
Employee Stock Option (Right to Buy)	(2)	07/27/2014	Common Stock	85,000	\$ 17.04	D	Â
Employee Stock Option (Right to Buy)	(2)	07/31/2015	Common Stock	100,000	\$ 20.4	D	Â

Reporting Owners

Reporting Owner Name / Address	Kelationships					
	Director	10% Owner	Officer	Other		
Sutphin Brian Joseph 10 NETWORK CIRCLE M/S: UMPK10-147 MENLO PARK, CA 94025	Â	Â	EVP, Corporate Dev. & Alliance	Â		

Signatures

Brian J.Sutphin 10/13/2009

**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 66,130 shares of unvested restricted stock units.

Reporting Owners 2

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(2) This option vests and becomes exercisable in five equal annual installments beginning on the first anniversary of the date of grant.
Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, <i>See</i> 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.