Buss Brad W Form 4 August 12, 2009

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Buss Brad W			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
			CYPRESS SEMICONDUCTOR CORP /DE/ [CY]	(Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	Director 10% Owner _X_ Officer (give title Other (specify		
198 CHAMPION COURT			08/10/2009	below) below) CFO		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person		
SAN JOSE,	CA 95134			Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tab	le I - Non-l	Derivative S	ecurit	ies Acqui	red, Disposed of,	or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securitie omr Disposed (Instr. 3, 4	d of (D))	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 Indirect Beneficial Ownership (Instr. 4)
Common Stock	08/10/2009		M	203,991 (1)	A	\$0	427,482	D	
Common Stock	08/10/2009		F	93,326 (2)	D	\$ 10.47	334,156	D	

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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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 orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amo Underlying Secu (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	An or Nu of S
Restricted Stock Units	\$ 0	08/10/2009		M		82,404 (3)	08/10/2009	05/11/2015	Common Stock	82
Restricted Stock Units	\$ 0	08/10/2009		M	82,405 (4)		<u>(4)</u>	05/11/2015	Common Stock	82

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Buss Brad W							
198 CHAMPION COURT			CFO				
SAN JOSE, CA 95134							

Signatures

Neil H. Weiss, Treasurer, as attorney-in-fact for Brad W.
Buss

08/12/2009

**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).

4.12022) that could result in 0 to 412,022 Performance RSUs being earned annually by Mr. Buss based on the company's achievement of performance milestones set by the Company's Compensation Committee. The amount reported on this Form 4 reflects the delivery based upon the achievement of first half 2009 performance milestones as approved by the Compensation Committee on August 6, 2009 and includes a milestone measured by the Company's Common Stock appreciation as compared to the SOXX Index. The remaining target shares have been forfeited and are not able to be earned in a future period.

As reported in Form 4 dated 5/11/2007, Mr. Buss was granted 2,060,110 Performance RSUs (as adjusted for the SunPower Spin factor of

- (2) The amount reported in this Form 4 represents shares withheld to comply with tax withholding requirements due to the settlement of performance grant milestones reported under footnote #1 above.
- The amount reported on this Form 4 reflects the maximum amount that Mr. Buss was eligible to earn for first half 2009 based upon the achievement of a performance milestone related to the Company's Common Stock appreciation as compared to the SOXX Index.

 Targeted shares related to performance milestones not achieved are forfeited and are not able to be earned in a future period.
- (4) As reported in Form 4 dated 5/11/2007, Mr. Buss was granted 2,060,110 Performance RSUs (as adjusted for the SunPower Spin factor of 4.12022) that could result in 0 to 412,022 Performance RSUs being earned annually by Mr. Buss based on the company's achievement of performance milestones set by the Company's Compensation Committee. The amount reported on this Form 4 reflects the maximum

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amount that Mr. Buss is eligible to earn for the second half 2009 based upon the achievement of a performance milestone related to the Company's Common Stock appreciation as compared to the SOXX Index. Targeted shares related to performance milestones not achieved are forfeited and are not able to be earned in a future period.

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.