FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	OMB APPRO	VAL								
	OMB Number: 3235-028									
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l	hours per response:	0.5								

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Add			er Name and Ticke SEMICOND I					5. Relationship of Reporting Person(s) to Issuer (Check all applicable)							
CAVE GEC	ORGE H		011	OLIVIIGOTID	<u> </u>	<u> </u>	<u> </u>			Director Officer (give title	10% (
(Last)	(First)		e of Earliest Transaction of E	ction (M	onth/[Day/Year)	X	below) SVP, G Couns	below	Other (specify below) SEO, Sec					
(Street)	AZ	4. If Ai	mendment, Date of	Original	Filed	(Month/Day/Y	6. Indi	'							
(City)										Form filed by More than One Reporting Person					
		Table I - No	n-Derivative S	Securities Acqu	uired,	Disp	osed of,	or Ben	eficially	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 Disposed Of 5)			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
					Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(instr. 4)			
Common			09/18/2007 ⁽¹⁾		M		8,000	A	\$6.83	38,500	D				
Common			09/18/2007(2)		M		5,000	A	\$7.02	43,500	D				
Common		09/18/2007(2)		S		5,000	D	\$12	38,500	D					
Common		09/18/2007(1)		S		7,000	D	\$11.8	31,500	D					

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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (right to buy)	\$6.83	09/18/2007 ⁽¹⁾		M			8,000	03/23/2007	03/23/2016	Common	8,000	\$6.83	45,000	D	
Stock Option (right to buy)	\$7.02	09/18/2007 ⁽²⁾		М			5,000	02/05/2005	02/05/2014	Common	5,000	\$7.02	65,000	D	

Explanation of Responses:

- 1. These transactions were made pursuant to the Reporting Person's existing Rule 10b5-1 plan (i.e. a stock trading plan designed to comply with Rule 10b5-1 of the Securities Exchange Act of 1934, as amended). Option was originally granted effective March 23, 2006 under the Issuer's 2000 Stock Incentive Plan. Generally, the grant provides for pro rata vesting of 25% per year for each of the first through fourth anniversaries of the grant date. The exercise price was the closing price on the grant date.
- 2. These transactions were made pursuant to the Reporting Person's existing Rule 10b5-1 plan (i.e. a stock trading plan designed to comply with Rule 10b5-1 of the Securities Exchange Act of 1934, as amended). Option was originally granted effective February 5, 2004 under the Issuer's 2000 Stock Incentive Plan. Generally, the grant provides for pro rata vesting of 25% per year for each of the first through fourth anniversaries of the grant date. The exercise price was the closing price on the grant date.

Remarks:

Judith A. Boyle is signing on behalf of the Reporting Person pursuant to a Power of Attorney attached herein as an exhibit, cave2007poa.TXT

<u>Judith A. Boyle, Attorney-in-</u> <u>Fact</u> <u>09/19/2007</u>

** Signature of Reporting Person Date

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

- * 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).

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

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 Number.

POWER OF ATTORNEY (G. Sonny Cave)

I hereby appoint Keith D. Jackson, Donald A. Colvin, and Judith A. Boyle, and each of them,

attorney-in-fact for me, each with full power of substitution, to prepare, execute and deliver on

my behalf reports required to be filed by me pursuant to Section 16 of the Securities Exchange

Act of 1934, as amended ("Section 16"), and Rule 144 and Rule 145 under the Securities Act of

1933 (singly or collectively ("Rule 144")), and any and all related documents and instruments.

Among other things, each attorney-in-fact is authorized to file original reports (either

electronically or otherwise), signed by me or on my behalf, on Forms 3, 4 and 5, and Form 144

with the Securities and Exchange Commission, any and all related documents and instruments,

and to provide any necessary copies of such signed forms, documents and instruments to $\ensuremath{\mathsf{The}}$

NASDAQ Stock Market and ON Semiconductor Corporation as required by the rules under $\frac{1}{2}$

Section 16 and Rule 144 as in effect from time to time.

This power of attorney is effective from the date hereof until April 15, 2008, unless earlier revoked or terminated.

/s/ G. SONNY CAVE G. Sonny Cave

Dated: March 1, 2007

 $\label{thm:cave 2007 POA} $$\operatorname{SECURITIES}\ 16\POA\2007 POA\EDGARIZED DOCUMENTS\Cave 2007 POA.doc$