FORM 4

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

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

OMB APPROVAL

			or Section 30(h) of the Investment Company Act of 1940						
1	ress of Reporting I		2. Issuer Name and Ticker or Trading Symbol ON SEMICONDUCTOR CORP [ONNN]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
Manoney R	<u>obert Charle</u>	<u>S</u>			Director	10% Owner			
(l. aat)	(Eirot)	(Niddla)	3. Date of Earliest Transaction (Month/Day/Year)	- x	Officer (give title below)	Other (specify below)			
(Last) (First) (Middle) 5005 EAST MCDOWELL ROAD			02/06/2009		Exec VP Sales & Marketing				
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indi Line)	vidual or Joint/Group Fil	ing (Check Applicable			
PHOENIX	AZ	85008		X	Form filed by One Re	eporting Person			
(City)	(State)	(Zip)	—		Form filed by More the Person	nan One Reporting			

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)	Code (Instr.		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 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)		(1130.4)	
Common	02/06/2009 ⁽¹⁾		S		24,767	D	\$4.885	69,999	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. Transa Code (8)		5. Nu of Deriv Secu Acqu (A) or Dispo of (D) (Instr and 5	Expiration Date (Month/Day/Year) sed 3, 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				

Explanation of Responses:

1. This disposition transaction was executed in multiple trades at prices ranging from \$4.82 to \$4.95. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer or a security holder of the Issuer full information regarding the number of shares and prices at which the transaction was effected. These shares were initially acquired pursuant to a performance based restricted stock units award made to the Reporting Person by the Issuer's Board of Directors/Compensation Committee effective June 2, 2008 under the Issuer's 2000 Stock Incentive Plan with vesting tied to the achievement of specified performance metrics, subject to the plan and relevant award agreement.

Remarks:

Judith A. Boyle is signing on behalf of the Reporting Person pursuant to a Power of Attorney attached herein as an exhibit. mahoney2008poa.TXT

<u>Judith A. Boyle, Attorney-in-</u> Fact	02/10/2009
** 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.

l		O W L				
	OMB Number:	3235-0287				
	Estimated average bur	den				
l	hours per response:	0.5				

POWER OF ATTORNEY (Robert Charles Mahoney)

I hereby appoint Keith D. Jackson, George H. Cave 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, 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 The NASDAQ Stock Market and ON Semiconductor Corporation as required by the rules under 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, 2009, unless earlier revoked or terminated.

/s/ ROBERT MAHONEY Robert Charles Mahoney

Dated: March 3, 2008

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