

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL	
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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 Address of Reporting Person* VOICU GELU (Last) (First) (Middle) 5005 EAST MCDOWELL ROAD (Street) PHOENIX AZ 85008 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol ON SEMICONDUCTOR CORP [ONNN]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) SVP, Catalyst Group
	3. Date of Earliest Transaction (Month/Day/Year) 10/10/2008	
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

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)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			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)
			Code	V	Amount	(A) or (D)	Price			
Common	10/10/2008		A		319,829 ⁽¹⁾	A	\$0	344,829	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)	\$2.46	10/10/2008		A		43,804 ⁽²⁾		10/10/2008	09/27/2011	Common	43,804	\$0	43,804	D	
Stock Option (right to buy)	\$3.25	10/10/2008		A		155,319 ⁽³⁾		10/10/2008	10/10/2011	Common	155,319	\$0	155,319	D	
Stock Option (right to buy)	\$3.25	10/10/2008		A		56,480 ⁽⁴⁾		10/10/2008	10/10/2011	Common	56,480	\$0	211,799	D	
Stock Option (right to buy)	\$3.32	10/10/2008		A		141,200 ⁽⁵⁾		10/10/2008	10/10/2011	Common	141,200	\$0	141,200	D	
Stock Option (right to buy)	\$4.52	10/10/2008		A		100,004 ⁽⁶⁾		10/10/2009	10/10/2018	Common	100,004	\$0	100,004	D	
Stock Option (right to buy)	\$4.75	10/10/2008		A		70,600 ⁽⁷⁾		10/10/2008	10/10/2011	Common	70,600	\$0	70,600	D	
Stock Option (right to buy)	\$4.75	10/10/2008		A		26,475 ⁽⁸⁾		10/10/2008	10/10/2011	Common	26,475	\$0	97,075	D	
Stock Option (right to buy)	\$4.75	10/10/2008		A		13,237 ⁽⁹⁾		10/10/2008	10/10/2011	Common	13,237	\$0	110,312	D	
Stock Option (right to buy)	\$4.75	10/10/2008		A		13,237 ⁽¹⁰⁾		10/10/2008	10/10/2011	Common	13,237	\$0	123,549	D	
Stock Option (right to buy)	\$5.97	10/10/2008		A		141,200 ⁽¹¹⁾		10/10/2008	10/10/2011	Common	141,200	\$0	141,200	D	
Stock Option (right to buy)	\$6.05	10/10/2008		A		96,365 ⁽¹²⁾		10/10/2008	10/10/2011	Common	96,365	\$0	96,365	D	

POWER OF ATTORNEY
(Gelu Voicu)

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, 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 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/ GELU VOICU
Gelu Voicu

Dated: October 6, 2008

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