FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

or Section 30(h) of the Investment Company Act of 1940

Washington, D.C. 20549

OMB APPROVAL

5. Relationship of Reporting Person(s) to Issuer

Transaction(s) (Instr. 4)

54,000

D

OMB Number: 3235-0287 Estimated average burden 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).

1. Name and Address of Reporting Person

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

2. Issuer Name and Ticker or Trading Symbol

KLOSTERBOER ROBERT A.				ON	ON SEMICONDUCTOR CORP [ ONNN ]						Direct	or	10% C			
(Last) (First) (Middle) 5005 E. MCDOWELL ROAD					3. Date of Earliest Transaction (Month/Day/Year) 05/05/2011							X Officer (give title Other (specify below)  SVP & GM, Dig & MxdSig Prd Grp				
(Street) PHOENI	(State) (Zip)			4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)						e) X Form Form	ividual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person				
		Tab	le I - N	on-Deriv	/ative	Securities A	cquire	ed, D	isposed o	f, or Be	neficial	ly Owne	d			
1. Title of Security (Instr. 3)			2. Transac Date (Month/Da		2A. Deemed Execution Date, if any (Month/Day/Year	Code	action (Instr.	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 a			Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership		
							Code	v	Amount	(A) or (D)	Price	Reporte Transac (Instr. 3	ction(s)		(Instr. 4)	
Common				05/05/2	2011		S		2,989(1)	D	\$11	68	3,512	D		
Common				05/06/2011			A		20,650(2)	A	\$11.24	4 89	,162	D		
Common				05/06/2011			F		6,693(3)	D	\$11.2	4 82	2,469	D		
Common				05/09/2011			M		5,000	A	\$10.3	2 87	,469	D		
Common				05/09/2011			S		5,000(4)	D	\$11.47	04 82	2,469	D		
Common 05/09/				2011		S		5,000(4)	D	\$11.47	04 77	,469	D			
		1	able II			Securities Ac						Owned				
1. Title of Derivative Security (Instr. 3)	2. 3. Transaction 3A. Deemed		on Date,	4. Transac Code (I 8)		Expiration Da (Month/Day/Y		ate			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following	Ownership Form: Direct (D) or Indirect	Beneficial Ownership (Instr. 4)		

## Explanation of Responses:

\$10.32

05/09/2011

1. This transaction was 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).

Date

Exercisable

03/17/2008

Expiration Date

08/01/2012

Title

of (D) (Instr. 3, 4

(D)

5.000

and 5)

(A)

ν

Code

M

- 2. This transaction reports the acquisition, effective May 6, 2011 of 20,650 shares of common stock resulting from the attainment of a performance goal under an earlier award of Performance Based Restricted Stock Units ("PBRSU Award") as described in further detail below. The Compensation Committee of the Issuer originally awarded 247,797 PBRSUs to the Reporting Person with an effective grant date of March 2, 2009 subject to the Issuer's 2000 Stock Incentive Plan and a related award agreement. The PBRSU Award vests generally over a three-year (twelve quarter) period but only upon the Issuer achieving certain adjusted non-GAAP earnings before interest, taxes, depreciation and amortization ("EBITDA") base and target performance measurements as set forth in the PBRSU Award agreement.
- 3. This disposition transaction represents shares withheld by the Issuer pursuant to the Reporting Person's March 2, 2009 award of Performance Based Restricted Stock Units ("PBRSUs"). On May 6, 2011 certain of these units vested. These shares were withheld to satisfy the Reporting Person's withholding obligations for various taxes and similar items. The Issuer will pay these taxes on behalf of the Reporting Person's withholding obligations for various taxes and similar items.
- 4. This disposition transaction was executed in multiple trades at prices ranging from \$11.47 to \$11.4716. 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.

## Remarks:

Stock Option

(right to

Judith A. Boyle is signing on behalf of the Reporting Person pursuant to a Power of Attorney attached herein as an Exhibit. klosterboer2011poa.txt

udith A. Boyle, Attorney-in-

Amount or Number

Shares

5,000

\$10.32

\*\* 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 (Robert A. Klosterboer)

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  $\mbox{Act}$  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  $\ensuremath{\mathsf{me}}$  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

This power of attorney is effective from the date hereof until April 15, 2012, unless earlier revoked or terminated.

/s/ ROBERT A. KLOSTERBOER Robert A. Klosterboer

Dated: March 1, 2011

time.