Grady Robert Edward Form 4 December 11, 2009

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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response...

if no longer subject to Section 16. Form 4 or Form 5

Check this box

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).

(Last)

Common

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * Grady Robert Edward

(First)

(Middle)

120 SAN GABRIEL DRIVE

(Street)

2. Issuer Name and Ticker or Trading

Symbol

MAXIM INTEGRATED PRODUCTS INC [MXIM]

3. Date of Earliest Transaction (Month/Day/Year) 12/10/2009

4. If Amendment, Date Original

3.

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)

below)

Issuer

_X__ Director

Officer (give title

X Form filed by One Reporting Person Form filed by More than One Reporting

5. Relationship of Reporting Person(s) to

(Check all applicable)

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

SUNNYVALE, CA 94086 (City) (State)

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3)

(Zip)

(Month/Day/Year)

TransactionAcquired (A) or Code Disposed of (D) (Instr. 8)

(Instr. 3, 4 and 5)

4. Securities

5. Amount of Securities Beneficially Owned Following Reported

Form: Direct (D) or Indirect (I) (Instr. 4)

D

6. Ownership 7. Nature of Indirect Beneficial Ownership (Instr. 4)

10% Owner

Other (specify

(A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

3,252 12/10/2009 8.252 (2) A

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.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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. Transactio Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4,	6. Date Exer Expiration D (Month/Day/	ate	7. Title and Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Non-Qualified Stock Option (right to buy)	\$ 18.97	12/10/2009		A	12,824	(3)	12/10/2016	Common Stock	12,8

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 6	Director	10% Owner	Officer	Other			
Grady Robert Edward 120 SAN GABRIEL DRIVE SUNNYVALE, CA 94086	X						

Signatures

By: Mark Casper For: Robert E
Grady
12/11/2009

**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).
- (1) Represents 3,252 Restricted Stock Units that vest quarterly in 2010 with the first vesting on 2/15/2010, subject to the individual's status as a Director through such dates.
- (2) Represents unvested Restricted Stock Units and Common Stock.
- (3) Represents 12,824 nonqualified stock options vesting quarterly in 2013 with the first vesting on March 31, 2013, subject to the individual's status as a Director through such dates.

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.

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