

Mammen Timothy PV
 Form 4/A
 September 17, 2012

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

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).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Mammen Timothy PV

2. Issuer Name and Ticker or Trading Symbol
 IPG PHOTONICS CORP [IPGP]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
 C/O IPG PHOTONICS CORPORATION, 50 OLD WEBSTER ROAD
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 09/12/2012

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Vice-President, CFO

OXFORD, MA 01545

4. If Amendment, Date Original Filed(Month/Day/Year)
 09/14/2012

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

(City) (State) (Zip)

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 Ownership (Instr. 4)
				(A) or (D) Code V Amount (D) Price			
Common Stock	09/12/2012		M	1,000 A \$ 1.88	32,124	D	
Common Stock	09/12/2012		S ⁽¹⁾	1,000 D \$ 65.02	31,124	D	

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

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SEC 1474 (9-02)

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

Table with 8 columns: 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 (A) or Disposed of (D) (Instr. 3, 4, and 5), 6. Date Exercisable and Expiration Date (Month/Day/Year), 7. Title and Amount of Underlying Securities (Instr. 3 and 4), and Amount or Number of Shares. Row 1: Employee Stock Option (right to buy), \$ 1.88, 09/12/2012, M, 1,000, (3), 09/22/2015, Common Stock, 1,000.

Reporting Owners

Table with 2 columns: Reporting Owner Name / Address, Relationships. Reporting Owner Name / Address: Mammen Timothy PV, C/O IPG PHOTONICS CORPORATION, 50 OLD WEBSTER ROAD, OXFORD, MA 01545. Relationships: Director, 10% Owner, Officer, Other. Officer relationship is detailed as Vice-President, CFO.

Signatures

Angelo P. Lopresti, Attorney-in-fact, 09/17/2012. 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) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 stock trading plan adopted by the Reporting Person on August 12, 2012.
(2) The reported transactions from \$65.00 to \$65.21 per share. The weighted average price per share was \$65.02. The Reporting Person undertakes to provide upon requested by the SEC staff, the Issuer or a security holder of the Issuer information regarding the number of shares sold at each separate price.
(3) These options were exercisable in 4 equal annual installments starting September 22, 2006.

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.