

Mammen Timothy PV
 Form 4
 December 12, 2007

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)

3. Date of Earliest Transaction (Month/Day/Year)
 12/10/2007

___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 Vice President & CFO

C/O IPG PHOTONICS CORPORATION, 50 OLD WEBSTER ROAD

(Street)

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

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

OXFORD, MA 01540

(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 Indirect Beneficial Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	12/10/2007		M	16,666 A \$ 1.5	108,665	D	
Common Stock	12/10/2007		S ⁽¹⁾	16,666 D \$ 20.16	91,999	D	

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

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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 Underlying Securities (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares
Employee Stock Option (right to buy)	\$ 1.5	12/10/2007		M	16,666	<u>(3)</u> 05/01/2009	Common Stock 16,666

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Mammen Timothy PV
C/O IPG PHOTONICS CORPORATION
50 OLD WEBSTER ROAD
OXFORD, MA 01540

Vice President & CFO

Signatures

Angelo P. Lopresti,
Attorney-in-fact

12/12/2007

**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 trading plan adopted by the reporting person on August 13, 2007.

(2) Sales ranged from \$20.01 to \$20.44 as follows: 600 shares at \$20.01; 100 shares at \$20.04; 200 shares at \$20.05; 1,100 shares at \$20.06; 200 shares at \$20.08; 700 shares at \$20.10; 700 shares at \$20.11; 300 shares at \$20.12; 200 shares at \$20.13; 400 shares at \$20.13; 100 shares at \$20.14; 1,000 shares at \$20.15; 1,200 shares at \$20.15; 732 shares at \$20.16; 900 shares at \$20.17; 3,286 shares at \$20.17; 200 shares at \$20.18; 448 shares at \$20.19; 1,800 shares at \$20.20; 100 shares at \$20.22; 300 shares at \$20.23; 100 shares at \$20.25; 1,000 shares at \$20.28; 100 shares at \$20.29; 100 shares at \$20.30; 300 shares at \$20.31; 100 shares at \$20.34; 200 shares at \$20.35; 100 shares at \$20.38; and 100 shares at \$20.44.

(3) These options became exercisable in 4 equal installments beginning on 5/1/00.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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