

Ovtchinnikov Alexander
 Form 4
 September 12, 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 *
 Ovtchinnikov Alexander

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

3. Date of Earliest Transaction (Month/Day/Year)
 09/10/2012

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

(Street)
 OXFORD, MA 01540

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 ___X___ 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)	Price		
				Code V	Amount		
Common Stock	09/10/2012		M	1,834	A \$ 19.69	114,370	D
Common Stock	09/10/2012		S ⁽¹⁾	1,834	D \$ 63.67	112,536	D
					(2)		

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)	8. Amount or Number of Shares
Employee Stock Option (right to buy)	\$ 19.69	09/10/2012		M	1,834	⁽³⁾ 05/08/2018	Common Stock	1,834

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Ovtchinnikov Alexander C/O IPG PHOTONICS CORPORATION 50 OLD WEBSTER ROAD OXFORD, MA 01540		X	Vice President	

Signatures

Angelo P. Lopresti,
Attorney-in-fact 09/12/2012

**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 trading plan adopted by the reporting person on February 14, 2012.
The reported transaction involved sales transactions from \$63.22 to \$64.35 per share. The weighted average price per share was \$63.67.
- (2) The Reporting Person undertakes to provide upon request by the SEC staff, the Issuer or a security holder of the information regarding the number of shares sold at each separate price.
- (3) These options were exercisable in 12 monthly installments commencing on May 5, 2012.

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.