Shcherbakov Eugene A Form 4 December 20, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL OMB

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SECURITIES Form 5 obligations

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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Shcherbakov Eugene A

2. Issuer Name and Ticker or Trading Symbol

IPG PHOTONICS CORP [IPGP]

5. Relationship of Reporting Person(s) to Issuer

(Last)

(First)

(Street)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year) 12/19/2012

_X__ Director X__ 10% Owner __Other (specify

(Check all applicable)

X_ Officer (give title below) Managing Director of IPG Laser

CORPORATION, 50 OLD

C/O IPG PHOTONICS

WEBSTER ROAD

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

OXFORD, MA 01540

(City)	(State)	(Zip) Tabl	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securi	ties A	cquired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio		_		Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(Instr. 3,	4 and	5)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	Indirect (I)	Ownership
							Following	(Instr. 4)	(Instr. 4)
					(A)		Reported		
					or		Transaction(s)		
			Code V	Amount		Price	(Instr. 3 and 4)		
Common Stock	12/19/2012		M	3,333	A	\$ 19.69	13,043	D	
Common Stock	12/19/2012		S <u>(1)</u>	3,333	D	\$ 64.69 (2)	9,710	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. Transacti Code (Instr. 8)	5. Number on 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)	\$ 19.69	12/19/2012		M	3,333	(3)	05/08/2018	Common Stock	3,333

Reporting Owners

Relationships						
rector	10% Owner	Officer	Other			
X	X	Managing Director of IPG Laser				
ı						

Signatures

Angelo P. Lopresti, Attorney-in-fact

12/20/2012

**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 September 3, 2012.
- The reported transaction involved sales transactions from \$64.69 to \$64.70 per share. The Reporting Person undertakes to provide upon request 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 12 monthly installments commencing on May 9, 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.

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