IPG PHOTONICS CORP Form SC 13G February 09, 2007

OMB APPROVAL OMB Number: 3235-0145 Expires: February 28, 2009 Estimated average burden hours per response...11

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No.)*

IPG Photonics Corporation

(Name of Issuer)
Common Stock, par value \$0.0001 per share
(Title of Class of Securities)
44980X 10 9
(CUSIP Number)
December 31, 2006
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- o Rule 13d-1(b)
 o Rule 13d-1(c)

 b Rule 13d-1(d)
- * The remainder of this cover page shall be filled out for a reporting person s initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be filed for the purpose of Section 18 of the Securities Exchange Act of 1934 (Act) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

9

Table of Contents

```
CUSIP No.
             44980X 109
         NAMES OF REPORTING PERSONS:
  1
         I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY):
         Dr. Valentin P. Gapontsev
         CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS):
  2
         (a) o
         (b) þ
         SEC USE ONLY:
  3
         CITIZENSHIP OR PLACE OF ORGANIZATION:
  4
         Russian Federation
                    SOLE VOTING POWER:
                5
 NUMBER OF
                    11,795,241 (See Item 4)
   SHARES
                    SHARED VOTING POWER:
                6
BENEFICIALLY
  OWNED BY
                    8,204,002 (See Item 4)
    EACH
                    SOLE DISPOSITIVE POWER:
                7
 REPORTING
   PERSON
                    11,795,241 (See Item 4)
    WITH:
                    SHARED DISPOSITIVE POWER:
                8
                    8,204,002 (See Item 4)
```

3

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON:

19,999,243 (See Item 4)

CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS):

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9):

11

46.6% (See Item 4)

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS):

12

IN

2

TABLE OF CONTENTS

Item 1

Item 2

Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the

person filing is a: Item 4. Ownership

Item 5. Ownership of Five Percent or Less of a Class

Item 6. Ownership of More than Five Percent on Behalf of Another Person

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported

on By the Parent Holding Company or Control Person

Item 8. Identification and Classification of Members of the Group

Item 9. Notice of Dissolution of Group

Item 10. Certification

SIGNATURE

Item 1.

(a) Name of Issuer

IPG Photonics Corporation

(b) Address of Issuer s Principal Executive Offices

50 Old Webster Road Oxford, Massachusetts 01540

Item 2.

(a) Name of Person Filing

Dr. Valentin P. Gapontsev

(b) Address of Principal Business Office or, if none, Residence

50 Old Webster Road Oxford, Massachusetts 01540

(c) Citizenship

Russian Federation

(d) Title of Class of Securities

Common Stock, par value \$0.0001 per share

(e) CUSIP Number

44980X 109

Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

- (a) o Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b) o Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).

- (c) o Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d) o Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).
- (e) o An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f) o An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g) o A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h) o A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);

Table of Contents

- (i) o A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j) o Group, in accordance with $\S 240.13d-1(b)(1)(ii)(J)$.

3

Item 4. Ownership

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount beneficially owned:

```
19,999,243 (1)
```

(b) Percent of class:

```
46.6% (1)(2)
```

- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote

```
11,795,241 (1)
```

(ii) Shared power to vote or to direct the vote

```
8,204,002 (1)
```

(iii) Sole power to dispose or to direct the disposition of

```
11,795,241 (1)
```

(iv) Shared power to dispose or to direct the disposition of

```
8,204,002 (1)
```

(1) Includes

8,204,002

shares held of

record by IP

Fibre Devices

(UK) Ltd.

(IPFD), of

which the

Reporting

Person is the

managing

director. The Reporting Person has a 53% economic interest in IPFD and has voting and investment power with respect to the shares held of record by IPFD. The reporting person disclaims beneficial ownership of these shares except to the extent of his pecuniary interest therein, and the inclusion of these shares in this report shall not be deemed an admission of the beneficial ownership of all the reported shares for purposes of the Securities Exchange Act of 1934, as amended, or for any other

(2) Based on

42,901,620

shares of

purpose.

Common Stock

of IPG

Photonics

Corporation

outstanding as

of December 18,

2006.

Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following o.

Item 6. Ownership of More than Five Percent on Behalf of Another Person Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person

Not applicable.

Table of Contents

Item 8. Identification and Classification of Members of the Group

Not applicable.

Item 9. Notice of Dissolution of Group

Not applicable.

Item 10. Certification

Not applicable.

4

Table of Contents

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

February 9, 2007

Date

/s/ Valentin P. Gapontsev

Signature

Dr. Valentin P. Gapontsev

Name/Title

5