

IPG PHOTONICS CORP  
Form SC 13G  
January 18, 2008

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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, 2007  
(Date of Event Which Requires Filing of this Statement)

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

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

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CUSIP No. 44980X 10 9

1. Names of Reporting Persons.  
I.R.S. Identification Nos. of above persons (entities only)  
IP Fibre Devices (UK) Ltd.
2. Check the Appropriate Box if a Member of a Group  
(a)  o  
(b)  x
3. SEC Use Only
4. Citizenship or Place of Organization  
United Kingdom
5. Sole Voting Power  
0
6. Shared Voting Power  
8,032,002 (See Item 4)
7. Sole Dispositive Power  
0
8. Shared Dispositive Power  
8,032,002 (See Item 4)
9. Aggregate Amount Beneficially Owned by Each Reporting Person  
8,032,002 (See Item 4)
10. Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares  o
11. Percent of Class Represented by Amount in Row (9)  
18.3% (See Item 4)
12. Type of Reporting Person  
CO

Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With:

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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

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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  
IP Fibre Devices (UK) Ltd.
- (b) Address of Principal Business Office or, if none, Residence  
c/o IPG Photonics Corporation  
50 Old Webster Road  
Oxford, Massachusetts 01540
- (c) Citizenship  
United Kingdom
- (d) Title of Class of Securities  
Common Stock, par value \$0.0001 per share
- (e) CUSIP Number  
44980X 10 9

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)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).
- (e)  An investment adviser in accordance with 240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with 240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with 240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  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)  Group, in accordance with 240.13d-1(b)(1)(ii)(J).

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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:  
8,032,002 (1)
- (b) Percent of class:  
18.3% (1)(2)
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote  
0
  - (ii) Shared power to vote or to direct the vote  
8,032,002 (1)
  - (iii) Sole power to dispose or to direct the disposition of  
0
  - (iv) Shared power to dispose or to direct the disposition of  
8,032,002 (1)

(1) Dr. Valentin P. Gapontsev is the managing director of, and has a 53% economic interest in, the Reporting Person. Dr. Gapontsev has voting and investment power with respect to these shares. Dr. Gapontsev disclaims beneficial ownership of these shares except to the extent of his pecuniary interest therein.

(2) Based on 44,010,341 shares of Common Stock of IPG Photonics Corporation outstanding as of December 31, 2007.

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.

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.

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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.

January 11, 2008

Date

IP FIBRE DEVICES (UK) LTD.

By: /s/ Valentin P. Gapontsev

Name: Valentin P. Gapontsev

Title: Managing Director

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