

IPG PHOTONICS CORP  
Form 8-A12B  
November 14, 2006

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

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**FORM 8-A  
FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES  
PURSUANT TO SECTION 12(b) OR (g) OF THE  
SECURITIES EXCHANGE ACT OF 1934**

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**IPG Photonics Corporation**  
(Exact name of registrant as specified in its charter)

**Delaware**  
(State of incorporation or organization)

**04-3444218**  
(I.R.S. Employer Identification No.)

**50 Old Webster Road**  
**Oxford, Massachusetts**  
(Address of principal executive offices)

**01540**  
(Zip Code)

Securities to be registered pursuant to Section 12(b) of  
the Act:

Title of each class  
to be so registered

Name of each exchange on which  
each class is to be registered

**Common stock, par value \$0.0001 per share**

**The NASDAQ Global Market**

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), check the following box.

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), check the following box.

Securities Act registration statement file number to which this form relates: 333-136521

Securities to be registered pursuant to Section 12(g) of the Act: None.

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**Item 1. Description of Registrant's Securities to be Registered.**

A description of the common stock of IPG Photonics Corporation, a Delaware corporation (the Registrant), is incorporated herein by reference to the section set forth under the heading Description of Capital Stock in the prospectus forming part of the Registrant's Registration Statement on Form S-1 (File No. 333-136521), as amended from time to time (the Registration Statement), filed with the Securities and Exchange Commission and in the final prospectus that will be filed pursuant to Rule 424(b) under the Securities Act of 1933, as amended, and which, upon filing, shall form a part of the Registration Statement.

**Item 2. Exhibits.**

The following exhibits are filed as a part of the Registration Statement.

Exhibit No.	Description
3.2*	Form of Second Amended and Restated Certificate of Incorporation of IPG Photonics.
3.4*	Form of Amended and Restated By-laws of IPG Photonics.
4.1*	Specimen Stock Certificate.
4.2*	Registration Rights Agreement by and among IPG Photonics and the Investors named therein, dated as of August 30, 2000, as amended.
4.3*	Registration Rights Agreement by and among IPG Photonics and JDS Uniphase Corporation, dated as of August 13, 2003, as amended.
* Filed as equivalent exhibit number to IPG Photonics Registration Statement on Form S-1 (333-136521), as amended, and incorporated herein by reference.	

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**SIGNATURE**

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereto duly authorized.

**IPG PHOTONICS CORPORATION**

Date: November 14, 2006

By: /s/ Valentin P. Gapontsev  
Name: Valentin P. Gapontsev  
Title: Chief Executive Officer and Chairman  
of the Board

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**EXHIBIT INDEX**

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