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1. Name of conveying party(ies): (If multiple assignors, list numerically)

1) State Enterprise Scientific and Research Institute Polus

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

2. Name and address of receiving party(ies):

Name: Vasily I. Shveykin**Internal Address:****Street Address:** App. 11, Bldg. 1, 33 Arhetektora Vlasova St.**City:** Moscow, Russian Federation **ZIP:** 117393

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3. Nature of conveyance:

- (X) Assignment
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4. Application number(s) or Patent number(s):

() Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 09/658,642
Filing Date: September 11, 2000

() Patent No.:
Issue Date:

Additional numbers attached? () Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mark J. Gallagher
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995
Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach **State:** CA **ZIP:** 92660
Attorney's Docket No.: DLED.003CP1

7. Total fee (37 CFR 3.41): \$40

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(X) Authorized to be charged to deposit account if any additional fees are required, or to credit any overpayment

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6. Total number of applications and patents involved: 1

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

Mark J. Gallagher
Name of Person Signing

Signature

Date

43,622
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ASSIGNMENT

WHEREAS, Alexandr I. Bogatov, a citizen of the Russian Federation, residing at ul. Ordzhonikidze, 14-6, Moscow, 117071, Russian Federation, Alexandr E. Drakin, a citizen of the Russian Federation, residing at 4-ya ul. Mariinoi roschi, 17-168, Moscow, 129594, Russian Federation, Yuri V. Kurnyavko, a citizen of the Russian Federation, residing at Golubinskaya ul., 24-1-551, Moscow, 117463, Russian Federation, and Vasily I. Shveykin, a citizen of the Russian Federation, residing at App. 11, Bldg. 1, 33, Arhetektora Vlasova St., Moscow, 117393, Russia, have invented certain new and useful improvements in a SEMI-CONDUCTOR OPTICAL AMPLIFIER for which an application for Letters Patent in the Russian Federation (Application No. 98103653, now Patent No. 2134007) has been filed on March 12, 1998, and an application under the Patent Cooperation Treaty (Application No. PCT/RU99/00067) has been filed on March 11, 1999;

AND WHEREAS, Vasily I. Shveykin, and State Enterprise Scientific and Research Institute Polus (hereinafter referred to as Polus), located at 3 Vvedenskogo Street, Moscow, 117342, together own all right, title, and interest to this invention, to all patent applications worldwide for this invention which have been filed or may be filed, and to all patents worldwide which have been granted or may be granted, in part or in full;

AND WHEREAS, Vasily I. Shveykin (hereinafter "ASSIGNEE") desires to acquire Polus's entire right, title, and interest in and to the said improvements and the said applications:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration to Polus, the receipt of which is hereby acknowledged, State Enterprise Scientific and Research Institute Polus, represented by Alexandr A. Kazakov, Director, hereby sells, assigns, transfers and sets over, unto the said ASSIGNEE, its successors, legal representatives and assigns, Polus's entire right, title, and interest throughout the world in, to and under the said improvements outside of the Russian Federation; said application filed under the Patent Cooperation Treaty; all applications that have been or hereafter may be filed in the United States national phase of said application filed under the Patent Cooperation Treaty, and all divisions, renewals and continuations of any of these applications, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; all rights of priority under International Conventions and all applications for Letters Patent which have been or hereafter may be filed for said improvements in any country or countries foreign to the United States; all applications which have been or may be filed in any country or countries foreign to the United States in the national phase of said application filed under the Patent Cooperation Treaty; and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, excluding said application filed in the Russian Federation and all divisions, renewals and continuations thereon, and said patent issued in the Russian Federation and all reissues and extensions thereof. State Enterprise Scientific and Research Institute Polus also hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, his successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND State Enterprise Scientific and Research Institute Polus HEREBY covenants and agrees that Polus will communicate to the said ASSIGNEE, his successors, legal representatives and assigns, any facts known to it or its employees, officers, owners, and representatives, respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, his successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 4th day of September, 2000.



A. Kazakov
A. Kazakov, Director

M. Filippov
Witness's Signature