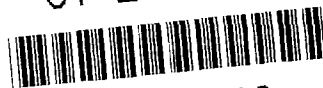


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COVER SHEET
PATENTS ONLY

U.S. Department of Commerce

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

(1) Stanislav I. IONOV

Additional name(s) of conveying parties attached? ☐ YES ☒ NO

2. Name and address of receiving parties:

Name: HRL Laboratories, LLC.

Internal Address: _____

Street Address: 3011 Malibu Canyon Road
Malibu, California 90265-4799City: Malibu State: CaliforniaZip: 90265 Country: U.S.A.

3. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Other _____Execution Date: January 4, 2005Additional name(s) & address(es) attached? ☐ YES ☒ NO

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: January 4, 2005

A. Patent Application No(s).:

B. Patent No(s).:

Additional numbers attached? ☐ YES ☒ NO

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

Name: Richard P. Berg
LADAS & PARRY

Internal Address: _____

Street Address: 5670 Wilshire Boulevard, #2100City: Los Angeles State: CA Zip: 900366. Total number of application and patents involved: ☐ 17. Total fee 937 CFR 3.41).....\$ 40.00☒ EnclosedAny additional fees which may be required are
☒ Authorized to be charged to deposit account
No. 12-04158. Deposit account number: 12-0415

(Attach duplicate copy of this page if paying by deposit account)

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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.*Robert Popa

Name of Person Signing

Pat. No. 12 0415

Signature

January 4, 2005

Date

PATENT
REEL: 016163 FRAME: 0313112904 U.S. PTO
11/033571

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AssignmentASSIGNMENT

WHEREAS: Stanislav I. IONOV
Residing at: 26025 Mulholland Highway
Calabasas, California 91302

(hereinafter referred to as ASSIGNOR), has invented and owns a certain invention entitled:

**"INTERFEROMETRIC PPM DEMODULATORS BASED ON SEMICONDUCTOR
OPTICAL AMPLIFIERS"**

for which application for Letters Patent of the United States has been executed on even date herewith;

WHEREAS: **HRL Laboratories, LLC**

A Limited Liability Company formed under the laws of the State of Delaware, United States of America,

having its principal place of business at:

3011 Malibu Canyon Road
Malibu, California 90265-4799

(hereinafter referred to as ASSIGNEE), is desirous of acquiring entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that ASSIGNOR, for good and valuable consideration, hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries, including the right to claim priority under any applicable provisions of the International Convention and the Patent Cooperation Treaty and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;