FORM PTO-1595 (rev. 6-93)



US DEPT OF COMMERCE

| To the honorable Commissioner of Patents and Trademarks: E | • | | | | | |
|--|--|--|--|--|--|--|
| | Please record the attached original documents or copy thereof. | | | | | |
| Name of conveying party(ies): Yuliya Anatolyevna Akulova Rudolf Feodor Kazrinov 5 -17 -0 2 | Name and address of receiving party(ies): Name: Lucent Technologies Inc. | | | | | |
| Additional name(s) of conveying party(ies) attached?Yes_X_No | Internal Address: | | | | | |
| Nature of conveyance: | | | | | | |
| X_AssignmentMergerSecurity Agreement Change of Name | Street Address: 600 Mountain Avenue P.O. Box 636 | | | | | |
| Other | City: Murray Hill State: NJ ZIP: 07974-0636 | | | | | |
| Execution Date: April 13 & 16, 2002 | Additional name(s) & address(es) attached?Yes; _X_No | | | | | |
| Application number(s) or patent number(s): | 1 3 7 | | | | | |
| If this document is being filed together with a new application, the exec A. Patent Application No.(s) | cution date of the application is: | | | | | |
| Serial No. 10/067.670 Filed on February 5, 2002 Additional numbers atta | ached?Yes; _X_No | | | | | |
| Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: | | | | | |
| Name: Michael J. Urbano | 7. Total fee (37 CFR 3.41) \$ 40 | | | | | |
| Internal Address: | Enclosed _X_ Authorized to be charged to my MASTERCARD | | | | | |
| Street Address: 1445 Princeton Drive | 8. MASTERCARD Account Number: Form 2038 attached | | | | | |
| City: <u>Bethlehem</u> State: <u>PA</u> ZIP: <u>18017-9166</u> DO NOT USE | (Attach duplicate copy of this page if paying by deposit account) THIS SPACE | | | | | |
| Statement and signature. To the best of my knowledge and belief, the foregoing information is truthe original document. Michael J. Urbano Name of Person Signing Signa | Cerbano 05/11/02 | | | | | |
| Total number of pages including cover | | | | | | |
| Mail documents to be recorded with Commissioner of Patents & T Washington | required cover sheet information to: Frademarks, Box Assignments n, DC 20231 | | | | | |
| VENTOR CASE NAME: Y. A. Akulova 5-31 | | | | | | |

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PATENT REEL: 012903 FRAME: 0750

ASSIGNMENT AND AGREEMENT

For value received, we, Yuliya Anatolyevna Akulova, of Santa Barbara in the County of Goleta and State of California, Rudolf Feodor Kazarinov, of Lubbock in the County of Lubbock and State of Texas, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, P.O. Box 636, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to Laser with a Resonant Optical Reflector described in an application for Letters Patent of the United States, Serial No. 10/067,670 filed on February 5, 2002, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. may designate.

We agree that, when requested, we shall, without charge to Lucent Technologies Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

PATENT REEL: 012903 FRAME: 0751

| Yuliya | Anatolyeuna | Akulova |
|--------|----------------------|---------|
| Yu | liya Anatolyevna Aku | lova |

Date: 4-13-02

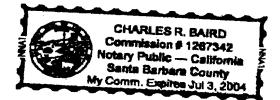
United States of America)

State of CALIFORNIA) ss.:

County of SANTA BARBARA

On this 13 TH day of FPRIL ,20 2, before me personally came Yuliya Anatolyevna Akulova, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public



| Rudgel Fischer | haran |
|--------------------|---------------------|
| Rudolf Feodor Kazz | arinov ^ø |

| Date: | 04 | /1 | 6 | 0 | 2 |
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| United States of America | |
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State of TEXAS

) ss.:

County of Lubbock

| K.J. CHAILLAND | 5 |
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| K.J. CHAILLAND NOTARY PROJECT STATE OF TEXAS COMMISSION EXPIRES: SEPTEMBER 28, 2004 | |
| COMMISSION EXPIRES: | |
| SEPTEMBER 28, 2004 | |

On this day of 3002, before me personally came Rudolf Feodor Kazarinov, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Lucent Technologies Inc. 600 Mountain Avenue (Room 3C-512) P.O. Box 636 Murray Hill, New Jersey 07974-0636

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PATENT REEL: 012903 FRAME: 0753