FORM PTO-1619A Expres 06/30/99 OMB 0651-0027 01-11-1999



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| Name (line 1) | Viswanath Kadambari | | | | 12-22-98 |
| Name (line 2) | | | | | Execution Date Month Day Year |
| Name (line 1) | | | | | morni day teal |
| Name (line 2) | | | | | Execution Date Month Day Year |
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ASSIGNMENT AND AGREEMENT

For value received, we, Vinod Anupam of Scotch Plains in the County of Union and State of New Jersey, Narain H. Gehani of Summit in the County of Union and State of New Jersey and Viswanath Kadambari of Herndon in the County of Fairfax and the State of Virginia, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, 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 APPARATUS AND METHOD FOR SHARING ASYMMETRIC INFORMATION AND SERVICES IN SIMULTANEOUSLY VIEWED DOCUMENTS ON A COMMUNICATION SYSTEM described in an application for Letters Patent of the United States, executed by us of even date herewith, 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 me, 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. they may designate.

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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.

Date: 12/22/98

United States of America

State of Mur knowy
County of Union

On this _____ day of__ personally came Vinod Anupam, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

DIANE C. THOMAS NOTARY PUBLIC OF NEW JERSEY My Commission Expires July 11, 2001

PATENT

REEL: 9680 FRAME: 0579

| ngehani | | |
|------------------|--|--|
| Narain H. Gehani | | |
| | | |

Date: 12/22/98

United States of America)

State of New Jersey

) ss.:

County of

On this ______ day of _______, 19_____, before me personally came Narain H. Gehani, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

DIANE C. THOMAS
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires July 11, 2001

PATENT REEL: 9680 FRAME: 0580

| | K. Vi swanat! |
|------------------------------|--|
| | Viswanath Kadambari |
| Date: (2/22/98 | |
| United States of America |) |
| State of VIRGINIA |) ss.: |
| County of PRINCE WIKEIAS |) |
| personally came Viswanath Ka | day of December., 19 15 before me idambari, to me known to be the individual described joing instrument, and acknowledged execution of the |
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| | Notary Public 7 |
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Lucent Technologies Inc. 600 Mountain Avenue (Room 3C-512) P. O. Box 636 Murray Hill, New Jersey 07974-0636

RECORDED: 12/28/1998

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