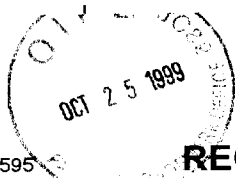


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11-19-1999



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U.S. Department of Commerce
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To the Honorable Commissioner of Patent

101168524

original documents or copy thereof

1. Name of conveying party(ies): NAKAYAMA, Marvin Kunio and YENER, Bulent Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: <u>Lucent Technologies Inc.</u> Internal Address: Street Address: <u>600 Mountain Avenue</u> City: <u>Murray Hill,</u> State: <u>New Jersey</u> Zip: <u>07974-0636</u> Country: <u>USA</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date(s): <u>July 30, 1999</u>			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the Execution date(s) of the new application is (are): _____ A. Patent Application No.(s): <u>09/368,931</u> B. Patent No.(s): _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP</u> Internal Address: <u>Atty. Dkt.: NAKAYAMA 1-2</u> Attn: <u>Thomas J. D'Amico</u> Street Address: <u>2101 L Street, NW</u> City: <u>Washington</u> State: <u>DC</u> Zip: <u>20037-1526</u>		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 C.F.R 3.41) \$ <u>\$40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Credit any overpayment or debit any underpayment 8. Deposit account number: <u>12-2325</u>	
DO NOT USE THIS SPACE			
9. Statement and signature. <i>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.</i> <u>for Thomas J. D'Amico</u> <u></u> <u>October 25, 1999</u> Signature <u>Reg. 41,198</u> Date Reg. No. <u>28,371</u> Total number of pages including cover sheet, attachments, and document: <u>6</u>			

08-17-1999

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U.S. Department of Commerce
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0190119718

OCT 25 1999

1. Name of conveying party(ies):

Marvin Kunio Nakayama et al.

Additional name(s) of conveying
party(ies) attached?☐ Yes☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date(s): July 30, 1999

2. Name and address of receiving party(ies)

Name: Lucent Technologies Inc.

Internal Address:

Street Address: 600 Mountain Avenue

City: Murray Hill,

State: New Jersey Zip: 07974-0636

Country: USA

Additional 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(s) of the new application is (are):

July 30, 1999

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP

Internal Address: Atty. Dkt.: NAKAYAMA 1-2

Attn: Thomas J. D'Amico

Street Address: 2101 L Street, NW

City:
WashingtonState:
DCZip:
20037-15266. Total number of applications and
patents involved: 1

7. Total fee (37 C.F.R 3.41) \$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account☒ Credit any overpayment or
debit any underpayment

8. Deposit account number: 12-2325

DO NOT USE THIS SPACE

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.*

Thomas J. D'Amico

Signature

August 5, 1999

Date

Reg. No. 28,371

Total number of pages including cover sheet, attachments, and document:

ASSIGNMENT AND AGREEMENT


For value received, we, Marvin Kunio Nakayama in the County of New York and State of New York, and Bulent Yener in the County of Kings and State of New York, 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 **REDUNDANT ROUTING WITH DEADLINES IN DATA NETWORKS** 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 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. they 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.


Marvin Kunio Nakayama

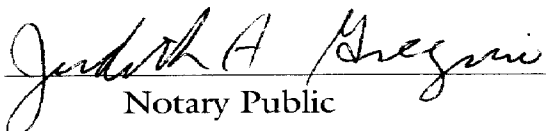
Date: 7-30-99

United States of America)

State of NEW JERSEY) ss.:
~~NEW YORK~~

City of NEWARK)

On this 30 day of JULY, 1999, before me personally came Marvin Kunio Nakayama, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

JUDITH GREGORIO

NOTARY PUBLIC OF NEW JERSEY

***** My Commission Expires July 5, 2000

Bulent Yener

Bulent Yener

Date: 7/26/99

United States of America)

State of New Jersey) ss.:

City of Union)

On this 26 day of July, 1999, before me personally came Bulent Yener, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Diane C. Thomas

Notary Public

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