

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Peter Ledel Gammel</td><td>08/25/2000</td></tr><tr><td>Richard Edwin Howard</td><td>08/30/2000</td></tr><tr><td>Omar Daniel Lopez</td><td>08/25/2000</td></tr><tr><td>Wei Zhu</td><td>08/25/2000</td></tr></tbody></table>	Name	Execution Date	Peter Ledel Gammel	08/25/2000	Richard Edwin Howard	08/30/2000	Omar Daniel Lopez	08/25/2000	Wei Zhu	08/25/2000	
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Peter Ledel Gammel	08/25/2000										
Richard Edwin Howard	08/30/2000										
Omar Daniel Lopez	08/25/2000										
Wei Zhu	08/25/2000										
RECEIVING PARTY DATA											
Name:	Lucent Technologies Inc.										
Street Address:	600 Mountain Avenue										
City:	Murray Hill										
State/Country:	NEW JERSEY										
Postal Code:	07974										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Patent Number:</td><td>7670203</td></tr></tbody></table>	Property Type	Number	Patent Number:	7670203							
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Patent Number:	7670203										
CORRESPONDENCE DATA											
Fax Number: (908)286-1692 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 610-712-8543											
Email: pat.lott@lsi.com											
Correspondent Name: Patricia M. Lott											
Address Line 1: 200 Connell Drive											
Address Line 4: Berkeley Heights, NEW JERSEY 07922											
NAME OF SUBMITTER:	Patricia M. Lott										
Total Attachments: 5 source=Gammel18-asgn#page1.tif source=Gammel18-asgn#page2.tif source=Gammel18-asgn#page3.tif source=Gammel18-asgn#page4.tif source=Gammel18-asgn#page5.tif											

CH \$40.00 7670203

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PATENT
REEL: 026346 FRAME: 0308

ASSIGNMENT AND AGREEMENT

For value received, we, Peter Ledel Gammel, of Millburn in the County of Essex and the State of New Jersey, and Richard Edwin Howard, of Highland Park in the County of Middlesex and the State of New Jersey, and Omar Daniel Lopez, of Summit in the County of Union and the State of New Jersey, and Wei Zhu, of Warren in the County of Somerset and the State of New Jersey, 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 **On-Chip Vacuum Tube Device And Process For Making Device** 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. 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.


Peter Ledel Gammel

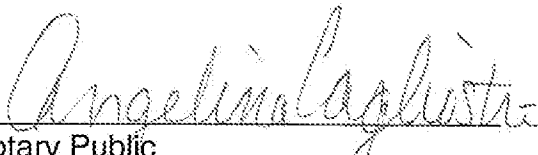
Date: August 25, 2000

United States of America)

State of New Jersey) ss.:

County of Union)

On this 25th day of August, 2000, before me personally came, Peter Ledel Gammel to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

ANGELINA CAGLIOSTRO
A NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 1/21/2004


Richard Edwin Howard

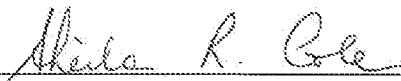
Date: August 30, 2000

United States of America)


State of New Jersey) ss.:

County of Union)

On this 30th day of August, 2000, before me personally came, Richard Edwin Howard to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

SHEILA R. COLE
A NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 10/18/2008


Omar Daniel Lopez

Date: August 25, 2000

United States of America)

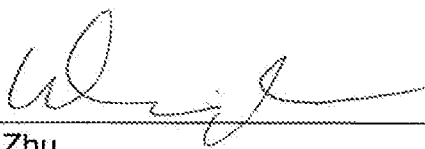
State of New Jersey) ss.:

County of Union)

On this 25th day of August, 20 00, before me personally came, Omar Daniel Lopez to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

ANGELINA CAGLIOSTRO
A NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 1/21/2004


Wei Zhu

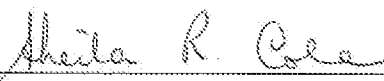
Date: 8/25/00

United States of America)

State of New Jersey) ss.:

County of Union)

On this 25th day of August, 2000, before me personally came, Wei Zhu to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

SHEILA R. COLE
A NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 10/18/2008

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