

07-06-1998

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



100754838

To the Honorable Commissioner of Patents and

Trade and Copyrights Administration
Patent documents or copy thereof.

1. Name of conveying party(ies):

William B. Andrews, Barry K. Britton, Kai-Kit Ngai,
Gary P. Powell, Satwant Singh, Carolyn W. Spivak,
Richard G. Stuby, Jr.
Additional name(s) of conveying party(ies) attached?
 Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 2/18/98, 2/24/98 3/06/98,
3/11/98, 3/31/98.

2. Name and Address of receiving party(ies)

Name: Lucent Technologies Inc.

Internal Address: _____

Street Address: 600 Mountain Avenue

P.O. Box 636

City: Murray Hill State: NJ ZIP: 07974-0636

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 of the application is: _____

A. Patent Application No.(s)

08/950,446

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Steve Mendelsohn

Internal Address: Weiser & Associates, P.C.

Street Address: 230 S. 15th Street

Suite 500

City: Philadelphia State: PA ZIP: 19102

6. Total number of applications and patents involved: [1]

7. Total Fee (37 CFR 3.41).....\$40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

12-2325

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

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.

LAW OFFICES
Weiser & Associates, P.C.
SUITE 500
230 SO FIFTEENTH ST
PHILADELPHIA, PA 19102
(215) 875-8393
FACSIMILE (215) 875-8394

Name of Person Signing Steve Mendelsohn

Steve Mendelsohn
Signature

6/4/98
Date

Total number of pages including cover sheet, attachments, and document: 25

Mail documents to be recorded with required cover sheet information to:

Andrews 3-17-4-4-8-3-7
990.0076

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

REEL: 9274 FRAME: 0727

ASSIGNMENT AND AGREEMENT

For value received, we:

William B. Andrews of Long Pond in the County of Monroe and State of Pennsylvania,
Barry K. Britton of Orefield in the County of Lehigh and State of Pennsylvania,
Kai-Kit Ngai of Campbell and State of California,
Gary P. Powell of Allentown in the County of Lehigh and State of Pennsylvania,
Satwant Singh of _____ and State of California,
Carolyn W. Spivak of Emmaus in the County of Lehigh and State of Pennsylvania,
Richard G. Stuby of New Tripoli in the County of Lehigh and State of Pennsylvania,

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 **Global Signal Distribution with Reduced Routing Tracks in an FPGA** described in an application for Letters Patent of the United States, executed by me 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.

LAW OFFICES
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990.0076

PATENT
REEL: 9274 FRAME: 0728

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

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 protections.

William Andrews
William B. Andrews

Date: 3-6-98

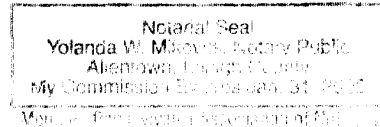
United States of America)

State of Pennsylvania) ss.:

County of Lancaster)

On this 6th day of March, 19 98, before me personally came William B. Andrews, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Yolanda W. Mikovits
Notary Public



LAW OFFICES
Weiser & Associates, P.C.
SUITE 500
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PHILADELPHIA, PA 19102
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Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Barry K. Britton

Barry K. Britton

Date: 2/24/98

United States of America)

State of Pennsylvania) ss:

County of Lehigh)

On this 24th day of February, 1998, before me personally came Barry K. Britton, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Yolanda W. Mikovits
Notary Public

Notarial Seal
Yolanda W. Mikovits, Notary Public
Allentown, Lehigh County
My Commission Expires Jan. 31, 2000
Member, Pennsylvania Association of Notaries

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Kai-Kit Ngai

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19_____, before me personally came Kai-Kit Ngai, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

LAW OFFICES
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PATENT
REEL: 9274 FRAME: 0731

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Gary P. Powell
Gary P. Powell

Date: 3/11/98

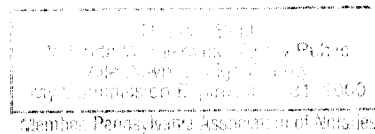
United States of America)

State of Maryland) ss.:

County of St. Johns)

On this 11th day of March, 19 98, before me personally came Gary P. Powell, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

James A. McNamee
Notary Public



Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Satwant Singh

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19_____, before me personally came Satwant Singh, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Carolyn W. Spivak
Carolyn W. Spivak

Date: 2/24/98

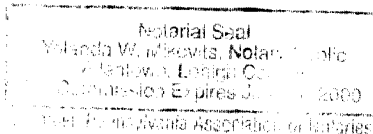
United States of America)

State of Delaware) ss.:

County of Delaware)

On this 24th day of February, 1998, before me personally came Carolyn W. Spivak, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Wanda W. Mikovits
Notary Public



Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Richard G. Stuby
Richard G. Stuby

Date: 6 March 1998

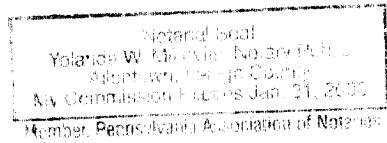
United States of America)

State of Pennsylvania) ss.:

County of Delaware)

On this 6th day of March, 19 98, before me personally came Richard G. Stuby, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Yolanda W. Markovits
Notary Public



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(215) 875-8383
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990.0076

PATENT
REEL: 9274 FRAME: 0735

ASSIGNMENT AND AGREEMENT

For value received, we:

William B. Andrews of Long Pond in the County of Monroe and State of Pennsylvania,
Barry K. Britton of Orefield in the County of Lehigh and State of Pennsylvania,
Kai-Kit Ngai of Campbell and State of California,
Gary P. Powell of Allentown in the County of Lehigh and State of Pennsylvania,
Satwant Singh of _____ and State of California,
Carolyn W. Spivak of Emmaus in the County of Lehigh and State of Pennsylvania,
Richard G. Stuby of New Tripoli in the County of Lehigh and State of Pennsylvania,

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 **FPGA With Signal-Sharing Scheme** described in an application for Letters Patent of the United States, executed by me 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.

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990.0076

PATENT
REEL: 9274 FRAME: 0736

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

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 protections.

William B. Andrews

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19_____, before me personally came William B. Andrews, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

LAW OFFICES
Weiser & Associates, P.C.
SUITE 500
230 SO. FIFTEENTH ST.
PHILADELPHIA, PA 19102
(215) 875-8383
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990.0076

PATENT
REEL: 9274 FRAME: 0737

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Barry K. Britton

Date: _____

United States of America)

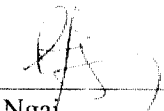
State of) ss.:

County of)

On this _____ day of _____, 19_____, before me personally came Barry K. Britton, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

Attorney Docket No.: Andrews 3-17-4-4-8-3-7



Kai-Kit Ngai

Date: 3/31/98


United States of America)

State of CALIFORNIA) ss.:

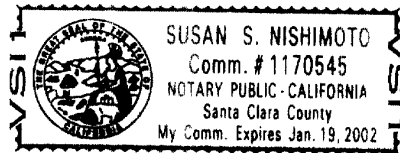
SSN# 209-174-6076 TONY KAIKIT NGAI

County of SANTA CLARA)

On this 31 day of MARCH, 19 98, before me personally came Kai-Kit Ngai, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.



Notary Public



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990.0076

PATENT
REEL: 9274 FRAME: 0739

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Gary P. Powell

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19_____, before me personally came Gary P. Powell, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

LAW OFFICES
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PATENT
REEL: 9274 FRAME: 0740

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Satwant Singh

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19_____, before me personally came Satwant Singh, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Carolyn W. Spivak

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19_____, before me personally came Carolyn W. Spivak, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

LAW OFFICES
Weiser & Associates, P.C.
SUITE 500
230 SO. FIFTEENTH ST.
PHILADELPHIA, PA 19102
(215) 875-8383
FACSIMILE (215) 875-8394

990.0076

PATENT
REEL: 9274 FRAME: 0742

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Richard G. Stuby

Date: _____

United States of America)

State of) ss :

County of)

On this _____ day of _____, 19_____, before me personally came Richard G. Stuby, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

ASSIGNMENT AND AGREEMENT

For value received, we:

William B. Andrews of Long Pond in the County of Monroe and State of Pennsylvania,
Barry K. Britton of Orefield in the County of Lehigh and State of Pennsylvania,
Kai-Kit Ngai of Campbell and State of California,
Gary P. Powell of Allentown in the County of Lehigh and State of Pennsylvania,
Satwant Singh of ~~Union City~~ and State of California,
Carolyn W. Spivak of Emmaus in the County of Lehigh and State of Pennsylvania,
Richard G. Stuby of New Tripoli in the County of Lehigh and State of Pennsylvania,

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 **FPGA With Signal-Sharing Scheme** described in an application for Letters Patent of the United States, executed by me 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.

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Attorney Docket No.: Andrews 3-17-4-4-8-3-7

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 protections.

William B. Andrews

Date: _____

United States of America)

State of) ss.

County of)

On this _____ day of _____, 19 _____, before me personally came William B. Andrews, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Barry K. Britton

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19 _____, before me personally came Barry K. Britton, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Kai-Kit Ngai

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19_____, before me personally came Kai-Kit Ngai, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Gary P. Powell

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19_____, before me personally came Gary P. Powell, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

LAW OFFICES
Weiser & Associates, P.C.
SUITE 500
230 SO. FIFTEENTH ST
PHILADELPHIA, PA 19102
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990.0076

PATENT
REEL: 9274 FRAME: 0748

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Satwant Singh
Satwant Singh

Date: 2-18-98

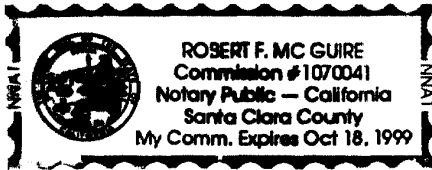
United States of America)

State of ~~California~~ California) ss.: 1-14-72 + 8062

County of Alameda)

On this 18th day of Feb, 19 98, before me personally came Satwant Singh, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Robert F. Mc Guire
Notary Public



Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Carolyn W. Spivak

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19_____, before me personally came Carolyn W. Spivak, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

Attorney Docket No.: Andrews 3-17-4-4-8-3-7

Richard G. Stuby

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 19_____, before me personally came Richard G. Stuby, to me known to be the individual described in and who executed the foregoing instrument, and acknowledge execution of the same.

Notary Public

LAW OFFICES
Weiser & Associates, P.C.
SUITE 500
230 SO. FIFTEENTH ST.
PHILADELPHIA, PA 19102
(215) 875-8383
FACSIMILE (215) 875-8394

990.0076

RECORDED: 06/08/1998

PATENT
REEL: 9274 FRAME: 0751