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09-21-2005

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To the Honorable Commissioner of Patents

inal documents or copy thereof.

9.19.07

1. Name of conveying party(ies):

Johannes G. Ransijn; Boris A Bark; Brad L. Grande;
Peter Kiss; and James D. Yoder

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: **9/7/05; 9/9/05 and 9/15/05**

2. Name and address of receiving party(ies):

Name: **Agere Systems Inc.**

Internal Address: _____

Street Address: **1110 American Parkway NE**

City: **Allentown** State: **PA** Zip: **18109**

Additional name(s) & address(es) attached? Yes No

09/17/05 10:23 AM

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)

B. Patent No. (s)

11/159,614

Additional numbers attached? Yes No

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

Name: Joseph F. Posillico, Esquire
Synnestvedt & Lechner LLP
2600 Aramark Tower
1100 Market Street
Philadelphia, PA 19107-2950

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ **\$40.00**

- Enclosed
- USPTO Form 2038 - Credit Card
- Authorized to be charged to deposit account

8. Deposit account number:

(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.

DAVID CARGILLE
Name of Person Signing

David Cargille
Signature

9/16/05
Date

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

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

Commissioner for Patents, Box Assignments

P.O. Box 1450

Alexandria, VA 22313-1450

09/20/2005 ECOOPER 00000079 11159614

01 FC:8021

40.00 DP

PATENT
REEL: 016994 FRAME: 0596

ASSIGNMENT AND AGREEMENT

P.R. For value received, We, Boris A. Bark in the County of Monmouth and State of New Jersey, Brad L. Grande in the County of ~~Monmouth~~ ^{WARREN} and State of New Jersey, Peter Kiss in the County of ~~Monmouth~~ ^{Somerset} and State of New Jersey, Johannes G. Ransijn in the County of Berks and State of Pennsylvania and James D. Yoder in the County of Lancaster and State of Pennsylvania sell, assign and transfer to Agere Systems Inc., a corporation of the State of Delaware, having an office at 1110 American Parkway NE, Allentown, PA 18109, 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 **Single Transformer Digital Isolation Barrier** described in an application for Letters Patent of the United States, filed June 23, 2005 and assigned Application No. 11/159,614, 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 I also concurrently hereby sell, assign and transfer to Agere Systems 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.

I authorize Agere Systems 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.

I 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 Agere Systems Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

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

I agree that, when requested, I shall, without charge to Agere Systems 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.

Boris A. Bark

Date: _____

United States of America)

State of) ss.:

City of)

On this _____ day of _____, 2005, before me personally came Boris A. Bark, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Brad L. Grande
Brad L. Grande

Date: 9/9/2005

State of Pennsylvania)
County Lehigh)
City of Lehigh) ss.:

On this 9th day of September, 2005, before me personally came Brad L. Grande, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Janet M. Garger
Witness or Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Janet M. Garger, Notary Public
City Of Allentown, Lehigh County
My Commission Expires Dec. 28, 2008
Member, Pennsylvania Association of Notaries

Johannes G. Ransijn
Johannes G. Ransijn

Date: 9/7/05

State of Pennsylvania)
County Lehigh)
City of Lehigh) ss.:

On this 7th day of September, 2005, before me personally came Johannes G. Ransijn, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Janet M. Garger
Witness or Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Janet M. Garger, Notary Public
City Of Allentown, Lehigh County
My Commission Expires Dec. 28, 2008
Member, Pennsylvania Association of Notaries

James D. Yoder
James D. Yoder

Date: 9/7/05

State of Pennsylvania) ss.:
County of Lehigh)
City of Lehigh)

On this 7th day of September, 2005, before me personally came James D. Yoder, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Janet M. Garger
Witness or Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Janet M. Garger, Notary Public
City Of Allentown, Lehigh County
My Commission Expires Dec. 28, 2008
Member, Pennsylvania Association of Notaries

Agere Systems Inc.
1110 American Parkway NE
Allentown, Pennsylvania 18109

Agere Case Name: Bark 1-3-6-12-8
S&L File No.: P27,803 USA//6002-117 US

ASSIGNMENT AND AGREEMENT

For value received, We, Boris A. Bark in the County of Monmouth and State of New Jersey, Brad L. Grande in the County of Monmouth and State of New Jersey, Peter Kiss in the County of Morris and State of New Jersey, Johannes G. Ransijn in the County of Berks and State of Pennsylvania and James D. Yoder in the County of Lancaster and State of Pennsylvania sell, assign and transfer to Agere Systems Inc., a corporation of the State of Delaware, having an office at 1110 American Parkway NE, Allentown, PA 18109, 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 **Single Transformer Digital Isolation Barrier** described in an application for Letters Patent of the United States, filed June 23, 2005 and assigned Application No. 11/159,614, 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 I also concurrently hereby sell, assign and transfer to Agere Systems 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.

I authorize Agere Systems 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.

I 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 Agere Systems Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

Agere Case Name: Bark 1-3-6-12-8
S&L File No.: P27,803 USA//6002-117 US

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

I agree that, when requested, I shall, without charge to Agere Systems 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.

Boris A. Bark

Boris A. Bark

Date: Sept 15 2005

United States of America)

State of New Jersey) ss.:

City of Edmont)

On this 15 day of September, 2005, before me personally came Boris A. Bark, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Clara J. Morson

Notary Public



Agere Case Name: Bark 1-3-6-12-8
S&L File No.: P27,803 USA//6002-117 US

Brad L. Grande

Date: _____

)

State of _____) ss.:

City of _____)

On this _____ day of _____, 2005, before me personally came Brad L. Grande, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Witness or Notary Public

Agere Case Name: Bark 1-3-6-12-8
S&L File No.: P27,803 USA//6002-117 US

Peter Kiss

Date: _____

)

State of _____) ss.:

City of _____)

On this _____ day of _____, 2005, before me personally came Peter Kiss, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Witness or Notary Public

Agere Case Name: Bark 1-3-6-12-8
S&L File No.: P27,803 USA/6002-117 US

Johannes G. Ransijn

Date: _____

)

State of _____) ss.:

City of _____)

On this _____ day of _____, 2005, before me personally came Johannes G. Ransijn, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Witness or Notary Public

Agere Case Name: Bark 1-3-6-12-8
S&L File No.: P27,803 USA//6002-117 US

James D. Yoder

Date: _____

)

State of _____) ss.:

City of _____)

On this _____ day of _____, 2005, before me personally came James D. Yoder, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Witness or Notary Public

Agere Systems Inc.
1110 American Parkway NE
Allentown, Pennsylvania 18109