

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ernst Von Wallenberg	04/15/2005
Andreas Buechner	07/28/2005
John Parker	08/31/2005
Marc Majoral	04/15/2005
Matthijs Killian	04/15/2005
James Finlay Patrick	04/15/2005
Joerg Pesch	07/28/2005
Bas van Dijk	04/15/2005

RECEIVING PARTY DATA

Name:	Cochlear Limited
Street Address:	P.O. Box 629
City:	Lane Cove, NSW
State/Country:	AUSTRALIA
Postal Code:	2066

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11094769

CORRESPONDENCE DATA

Fax Number: (703)591-5907

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 703-591-2664

Email: elizabeth.bodnar@jagtiani.com

Correspondent Name: Jagtiani and Gutttag

Address Line 1: 10363-A Democracy Lane

Address Line 4: Fairfax, VIRGINIA 22030

PATENT

REEL: 016969 FRAME: 0821

500068858

OP \$40.00 11094769

ATTORNEY DOCKET NUMBER:

COCH-0019-CP1

NAME OF SUBMITTER:

Ajay A. Jagtiani

Total Attachments: 8

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source=COCH-0019-CP1 11,094,769 (AB)#page1.tif
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source=COCH-0019-CP1 11,094,769 (JohnP)#page1.tif
source=COCH-0019-CP1 11,094,769 (JP)#page1.tif

ASSIGNMENT

WHEREAS, JAMES FINLAY PATRICK, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a COMPRESSED NEURAL CODING (hereinafter referred to as THE INVENTION) for which an application for an United States Letters Patent was filed on March 31, 2005, and assigned Serial No. 11/094,769.

WHEREAS, COCHLEAR LIMITED, whose post office address is **P. O. Box 629, Lane Cove, NSW 2066, Australia**, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE'S request documents and information concerning the enforcement of the right to sue within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ASSIGNOR'S hereby grants the firm of Jagtiani + Gutttag of Fairfax, VA (Registration No. 35,205) the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf; and for the use and behalf of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

James Finlay Patrick
79 Boundary Street
Roseville, NSW 2069
Australia



 Signature

15 ~~MAY~~ APRIL 2005

 Date

 SSN

(Notarization preferred but not required)

Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act and deed this _____ day of _____, _____.

Notary Public

COCH-0019-UT1

ASSIGNMENT

WHEREAS, ANDREAS BUECHNER, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a COMPRESSED NEURAL CODING (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed on March 31, 2005, and assigned Serial No. 11/094,769.

WHEREAS, COCHLEAR LIMITED, whose post office address is P. O. Box 629, Lane Cove, NSW 2066, Australia, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

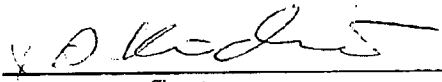
ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE'S request documents and information concerning the enforcement of the right to sue within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

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Andreas Buechner
Kircher Vorfeld 16
Isernhagen, Germany 30916



Signature
X 28.7.05

Date

SSN

(Notarization preferred but not required)

Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act
and deed this _____ day of _____,

Notary Public

COCH-0019-UT1

ASSIGNMENT

WHEREAS, **BAS VAN DIJK**, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a **COMPRESSED NEURAL CODING** (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed on March 31, 2005, and assigned Serial No. 11/094,769.

WHEREAS, **COCHLEAR LIMITED**, whose post office address is **P. O. Box 629, Lane Cove, NSW 2066, Australia**, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

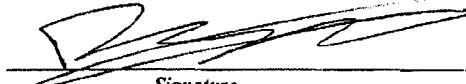
ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE'S request documents and information concerning the enforcement of the right to sue within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

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ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf; and for the use and behalf of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Bas van Dijk
Leopoldstraat 20
Mechelen, Belgium 2800



Signature

Date
15/4/05

SSN

(Notarization preferred but not required)

Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act
and deed this _____ day of _____.

Notary Public

PATENT
REEL: 016969 FRAME: 0825

ASSIGNMENT

WHEREAS, ERNST VON WALLENBERG, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a COMPRESSED NEURAL CODING (hereinafter referred to as THE INVENTION) for which an application for an United States Letters Patent was filed on March 31, 2005, and assigned Serial No. 11/094,769.

WHEREAS, COCHLEAR LIMITED, whose post office address is P. O. Box 629, Lane Cove, NSW 2066, Australia, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

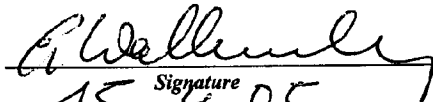
ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE'S request documents and information concerning the enforcement of the right to sue within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

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Ernst Von Wallenberg
Margarethenstr. 47
Basel, Switzerland CH-4053



Signature
15.4.05

Date

SSN

(Notarization preferred but not required)

Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act
and deed this _____ day of _____.

Notary Public

ASSIGNMENT

WHEREAS, MATTHIJS KILLIAN, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a COMPRESSED NEURAL CODING (hereinafter referred to as THE INVENTION) for which an application for an United States Letters Patent was filed on March 31, 2005, and assigned Serial No. 11/094,769.

WHEREAS, COCHLEAR LIMITED, whose post office address is **P. O. Box 629, Lane Cove, NSW 2066, Australia**, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNOR that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE'S request documents and information concerning the enforcement of the right to sue within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

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Matthijs Killian
56 Frans Halsvest
Mechelen, Belgium 2800

Signature

Date

SSN

(Notarization preferred but not required)

Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act and deed this _____ day of _____, _____.

Notary Public

COCH-0019-UT1

ASSIGNMENT

WHEREAS, MARC MAJORAL, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a COMPRESSED NEURAL CODING (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed on March 31, 2005, and assigned Serial No. 11/094,769.

WHEREAS, COCHLEAR LIMITED, whose post office address is P. O. Box 629, Lane Cove, NSW 2066, Australia, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

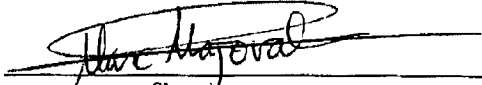
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Marc Majoral
Alexandre Markelbach 2
Brussels, Belgium 1030



Signature

Date
15/4/05

SSN

(Notarization preferred but not required)

Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act
and deed this _____ day of _____.

Notary Public

PATENT
REEL: 016969 FRAME: 0828

ASSIGNMENT

WHEREAS, **JOHN PARKER**, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a **COMPRESSED NEURAL CODING** (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed on March 31, 2005, and assigned Serial No. 11/094,769.

WHEREAS, **COCHLEAR LIMITED**, whose post office address is **P. O. Box 629, Lane Cove, NSW 2066, Australia**, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

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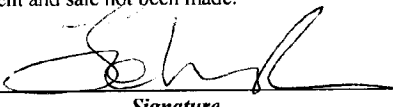
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John Parker
19 Moore Street
Roseville, NSW 2069
Australia



 Signature
31/8/2005

 Date

 SSN

(Notarization preferred but not required)

Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act and deed this _____ day of _____.

Notary Public

COCH-0019-UT1

ASSIGNMENT

WHEREAS, JOERG PESCH, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a COMPRESSED NEURAL CODING (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed on March 31, 2005, and assigned Serial No. 11/094,769.

WHEREAS, COCHLEAR LIMITED, whose post office address is P. O. Box 629, Lane Cove, NSW 2066, Australia, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.


ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE'S request documents and information concerning the enforcement of the right to sue within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ASSIGNOR'S hereby grants the firm of Jagtiani + Guttig of Fairfax, VA (Registration No. 35,205) the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf; and for the use and behalf of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Joerg Pesch
Pasteurallee 24
Hannover, Germany D-30655

x 
Signature
18-Jul-2005
Date

SSN

(Notarization preferred but not required)

Before me personally appeared said _____ and acknowledges this instrument to be his (her) free act
and deed this _____ day of _____.

Notary Public

PATENT**RECORDED: 01/04/2006****REEL: 016969 FRAME: 0830**