

FORM PTO-1595	RECORDATION FORM COVER SHEET Patent and Trademark Office	U.S. DEPARTMENT OF COMMERCE
PATENTS ONLY		
©2005 Staas & Malloy LLP		
To the Director of the U.S. Patent and Trademark Office: Please record the attached document.		

1. Name of conveying parties:

- (1) Bernd GEISER
- (2) Peter JAX
- (3) Stefan SCHANDL

(4) Herve TADDEI
(5) Aulis TELLE
(6) Peter VARY

2. Name and Address of receiving party:

**Siemens Aktiengesellschaft,
Wittelsbacherplatz 2,
80333 Munich Germany**

3. Nature of conveyance:

— Assignment
Security Agreement

Merger

Change of Name

Other: Response to Notice of Non-Recordation of November 5, 2007:
Record to correct the Third Assignor's Execution Date to specify February 22,

2007:

Record to correct the Fourth Assignor's Name to specify Herve TADDEI:
Record to correct Assignee's Address to specify Wittelsbacherplatz 2, 80333

Munich Germany.

Munich Germany.
Execution Date(s): (1) February 23, 2007; (2) February 27, 2007; (3) February 22, 2007;
(4) February 22, 2007; (5) February 23, 2007; (6) March 3, 2007.

4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application.

☒ This document is being filed after filing of the application:

(a) Patent Application No(s). 11/662,592, filed March 13, 2007; or

(b) Patent No(s). , issued .

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

STAAS & HALSEY LLP
Attention: Mark J. Henry
1201 New York Ave., N.W., 7th Floor
Washington, D.C. 20005

Our Docket: 1454,1813

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41),..... (\$ 40.00 per Patent or Application in Assignment)

☐ Enclosed

☐ Enclosed
☐ Authorized to be charged to deposit account.

☐ Authorized to be charged to deposit account.
☒ The Recordation Fee of \$40.00 was paid on November 1, 2007 and therefore, no Further Fee is
 ary at this time.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit account)

Mark J. Henry, Reg. No. 36,162
Name of Person Signing

Signature

Date Dec 4 2003

Total number of pages including cover sheet: 33³⁰

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STAAS & HALSEY LLP COMPANY ATTENTION: MARK J. HENRY

NOV. 1. 2007 1:10PM

STAAS & HALSEY 202-434-1501

NO. 8892 P. 2

11/01/2007
700348587

FORM PTO-1005	RECORDATION FORM COVER SHEET Patent and Trademark Office	U.S. DEPARTMENT OF COMMERCE
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To the Director of the U.S. Patent and Trademark Office: Please record the attached document.		

1. Name of conveying parties:

- (1) Bernd GEISER
- (2) Peter JAX
- (3) Stefan SCHANDL
- (4) Herve TADDEL
- (5) Aulis TELLE
- (6) Peter VARY

2. Name and Address of receiving party:

Siemens Aktiengesellschaft,
Wittelsbacherplatz 2,
80333 Munich Germany

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☒ Other: Record to correct name of fourth inventor. Correct name is Herve TADDEL. Record to correct Assignee's address. Correct address is Siemens Aktiengesellschaft, Wittelsbacherplatz 2, 80333 Munich Germany. Record to correct title. Correct title is Method and Device for the Artificial Extension of the Bandwidth of Speech Signals.
 Execution Date(s): (1) February 23, 2007; (2) (3) February 27, 2007; (4) February 22, 2007; (5) February 23, 2007; (6) March 3, 2007.

4. Application number(s) or patent number(s):

- ☐ This document is being filed together with a new application.
 OR
☒ This document is being filed after filing of the application:
 (a) Patent Application No(s), 11/652,592, filed March 13, 2007; or
 (b) Patent No(s), issued.

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

STAAS & HALSEY LLP Our Docket: 1454.1813
 Attention: Mark J. Henry
 1201 New York Ave., N.W., 7th Floor
 Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)

- ☐ Enclosed
☒ Authorized to be charged to deposit account.

8. Deposit Account No.: 18-8895 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)

Mark J. Henry, Reg. No. 36,162
 Name of Person Signing

MBH
 Signature

Nov 1 2007
 Date

Total number of pages including cover sheet: 12

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STAAS & HALSEY LLP COMPAT ATTENTION: MARK J. HENRY

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STAAS & HALSEY 202-434-1501

NO. 8892 P. 5

03-19-2007

11/662592



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ORDINATION FORM COVER SHEET

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1. Name of conveying party(ies):

Bernd GEISER
Peter JAX
Stefan SCHANDL
Harver TADDEI
Aulis TELLE
Peter VARY

AP17 Reg. 1. 11/10 18 MAR 2007

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

SIEMENS AKTIENGESELLSCHAFT
P.O. Box 22 16 34
D-80508 München
Germany

3. Nature of conveyance:

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

Execution Date(s): February 23, 2007, February 27, 2007, February 27, 2007, February 27, 2007,
February 23, 2007, March 3, 2007

4. Application number(s) or patent number(s):

☒ This document is being filed together with a new application.

OR

☐ This document is being filed after filing of the application:

(a) Patent Application No(s). Unexamined, filed March 13, 2007; or
(b) Patent No(s). issued.

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

STAAS & HALSEY LLP Our Docket: 1454,1813
Attention: Mark J. Henry
1201 New York Ave., N.W., 7th Floor
Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (\$7 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)

☒ Enclosed
☐ Authorized to be charged to deposit account.

8. Deposit Account No.: 18-3836 (Any underpayment is authorized to be charged to this Deposit Account)

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

Mark J. Henry, Reg. No. 36,182

Name of Person Signing

Mark J. Henry
Signature

March 13, 2007
Date

03/15/2007 11:16:53E

Total number of pages including cover sheet: 14

04 FEB 2007

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Revised January, 2005

ASSIGNMENT

For good and valuable consideration, I/we, the undersigned

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Professor Peter Vary
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hereby sell, assign, and transfer to

Siemens Aktiengesellschaft

a German corporation organized and existing under the laws of GERMANY, having its principal place of business in München, GERMANY herein the "Assignee", its successors, assigns and legal representatives the entire and exclusive right, title and interest in and for the United States, in all and to any improvements in the

(Title:)

disclosed in the PCT international application for Letters Patent designating the United States, said application being identified in our records as

Applicants File No. 2005P08823WOUS
and filed as PCT-application PCT/EP2006/063742

and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States on said improvements;
hereby agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name and that when requested without charge to but at the expense

IDNR-4248 17.01.2007

of said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee, its successors, assigns, and legal representatives; and hereby covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 23.2.07

Bernd Geiser
Bernd Geiser

Witnesses: M. P.

(type name)

MATTHIAS PAWIG

Witnesses: Thomas Esch

(type name)

THOMAS ESCH

Date: _____

Dr. Peter Jax
Dr. Peter Jax

Witnesses: _____

(type name)

Witnesses: _____

(type name)

Date: _____

Stefan Schandl
Stefan Schandl

Witnesses: _____


(type name)

Witnesses: _____

(type name)

Date: _____

Dr. Herve Taddei

Witnesses: _____
(type name)Witnesses: _____
(type name)Date: 23.07.07
Aulis TelleWitnesses: B. Sauer
(type name) Bastian SauerWitnesses: M. Schöfer
(type name) Magnus Schöfer

Date: _____

Professor Peter Vary

Witnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Witnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Witnesses: _____
(type name)Witnesses: _____
(type name)

ASSIGNMENT

For good and valuable consideration, I/we, the undersigned

Bernd Geiser
residing at:
Republikplatz 15
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Professor Peter Vary
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residing at:

hereby sell, assign, and transfer to

Siemens Aktiengesellschaft

a German corporation organized and existing under the laws of GERMANY, having its principal place of business in München, GERMANY herein the "Assignee", its successors, assigns and legal representatives the entire and exclusive right, title and interest in and for the United States, in all and to any improvements in the

(Title:)

disclosed in the PCT international application for Letters Patent designating the United States, said application being identified in our records as

Applicants File No. 2005P08823WOUS
and filed as PCT-application PCT/EP2006/063742

and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States on said improvements;
hereby agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name and that when requested without charge to but at the expense

DNRC 4248 / 17.01.2007

of said Assignee, its successors, assigns, and legal representative, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee, its successors, assigns, and legal representatives; and hereby covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: _____

Bernd GelserWitnesses: _____
(type name)Witnesses: _____
(type name)Date: 27.2.07_____
Dr. Peter JaxWitnesses: Walter Voessing
(type name) Walter VoessingWitnesses: Michael Arnold
(type name) Michael Arnold

Date: _____

Stefan SchandlWitnesses: _____
(type name)Witnesses: _____
(type name)

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For good and valuable consideration, I/we, the undersigned

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EDNR-4248/17-01-2007

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Date: _____

Bernd GeiserWitnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Dr. Peter JaxWitnesses: _____
(type name)Witnesses: _____
(type name)Date: 27.2.2007Stefan Schandl
Stefan SchandlWitnesses: Rudolf Pfeiffer
(type name) Rudolf PfeifferWitnesses: Wolfgang Bauer
(type name) Wolfgang Bauer

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For good and valuable consideration, I/we, the undersigned

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IDNR: 4246 / 17.01.2007

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Date: _____


Bernd GeiserWitnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Dr. Peter JaxWitnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Stefan SchandlWitnesses: _____
(type name)Witnesses: _____
(type name)

Date: 22/02/07
Dr. Herve TappelWitnesses: 
(type name) Fela HenkemeierWitnesses: 
(type name) Thérèse Fapi

Date: _____

Aulis Telle

Witnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Professor Peter Vary

Witnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Witnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Witnesses: _____
(type name)Witnesses: _____
(type name)

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Professor Peter Vary
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GERMANY

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and filed as PCT-application PCT/EP2006/063742

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DNIR: 4248 / 17.01.2007

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Date: _____

Bernd GelserWitnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Dr. Peter JaxWitnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Stefan SchandlWitnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Dr. Herve TaddeiWitnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Aulis TelleWitnesses: _____
(type name)Witnesses: _____
(type name)Date: March 3, 2007Peter Vary
Professor Peter VaryWitnesses: C. Antweiler
(type name) AntweilerWitnesses: S. Sedgwick
(type name) Sedgwick

Date: _____

Witnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Witnesses: _____
(type name)Witnesses: _____
(type name)

STAAS & HALSEY LLP COMPAN ATTENTION: MARK J. HENRY

NOV. 1. 2007 1:11PM

STAAS & HALSEY 202-494-1501

+49 89 NO. 889258 P. 7/12/30

ASSIGNMENT

For good and valuable consideration, I/we, the undersigned

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residing at:

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and filed as PCT-application PCT/EP2006/083742

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USFDEC-45461-17 11/5/2007

:STAAS & HALSEY LLP COMPAN ATTENTION: MARK J. HENRY

NOV. 1. 2007 1:11PM STAAS & HALSEY 202-434-1501

NO. 8892 P. 8
+49 89 333333 11/30

2

of said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee, its successors, assigns, and legal representatives; and hereby covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 12.2.07Bärnd Geiser
Bärnd GeiserWitnesses: M.P.
(type name) MATTHIAS PAULWitnesses: Thomas Esch
(type name) THOMAS ESCH

Date: _____

Dr. Peter Jax
Dr. Peter JaxWitnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Stefan Schandl
Stefan SchandlWitnesses: _____
(type name)Witnesses: _____
(type name)

STAAS & HALSEY LLP COMPAN ATTENTION: MARK J. HENRY

NOV. 1. 2007 1:11PM

STAAS & HALSEY 202-434-1501

+49 89 NO. 88923 P. 91230

3

Date: _____

Dr. Harve Taddel

Witnesses: _____
(type name)Witnesses: _____
(type name)Date: 11.07.07
Anita TelleWitnesses: B. Sauer
(type name) Bastian SauerWitnesses: M. Stöfer
(type name) Magnus Stöfer

Date: _____

Professor Peter Vary

Witnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

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NO. 88925-P. 10

2

of said Assignee, its successors, assigns, and legal representative, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee, its successors, assigns, and legal representatives; and

hereby covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: _____

Brend Gelser

Witness: _____
(type name)Witness: _____
(type name)Date: 21.2.07

Dr. Peter Jax

Witness: Walter Dressing
(type name) Walter VocatWitness: Michael Arnold
(type name) Michael Arnold

Date: _____

Stefan Schandl

Witness: _____
(type name)Witness: _____
(type name)

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NO. 8892 P. 114/38

of said Assignee, its successors, assigns, and legal representative to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee, its successors, assigns, and legal representatives; and hereby covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: _____

Bernd Geiser

Witnesses: _____

(type name)

Witnesses: _____

(type name)

Date: _____

Dr. Peter Jax

Witnesses: _____

(type name)

Witnesses: _____

(type name)

Date: 22.2.2007

Stefan Schandi

Witnesses: _____

(type name)

Witnesses: _____

(type name)

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+45 89 3338 3.25/38

3

Date: 22/02/07


Dr. Hervé Taddai

Witnesses: 
(type name) Dr. Hervé Taddai

Witnesses: 
(type name) Therese Fajon

Date: _____

_____ Aulis Telle

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: _____

_____ Professor Peter Vary

Witnesses: _____
(type name)

Witnesses: _____
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Date: _____

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(type name)

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Date: _____

Dr. Herve Taddei

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: _____

Ardis Telle

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: March 3, 2007

Peter Vary
Professor Peter Vary

Witnesses: C. Antweiler
(type name) Antweiler

Witnesses: S. Sedgwick
(type name) Sedgwick

Date: _____

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: _____

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(type name)

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ASSIGNEE:

SIEMENS AKTIENGESSELLSCHAFT

P.O. BOX 22 15 34

D-80506 MUNICH, GERMANY

-- Wittelsbacherplatz 2, 80333
Munich, GERMANY--

SERIAL NUMBER: 11662592

FILING DATE:

PATENT NUMBER:

--Artificial--
ISSUE DATE:TITLE: METHOD AND DEVICE FOR THE ARTIFICIAL EXTENSION OF THE BANDWIDTH OF
SPEECH SIGNALS [METHOD AND DEVICE FOR THE ARTIFICIAL EXTENSION OF
THE BANDWIDTH SPEECH SIGNALS]MARCUS KIRK, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

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Peter JAX
Stefan SCHANDL
Hervé TADDEI
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Peter VARY

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SIEMENS AKTIENGESELLSCHAFT
P.O. Box 22 16 34
D-80506 München
Germany

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
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Execution Date(s): February 23, 2007, February 27, 2007, February 27, 2007, February 22, 2007,
February 23, 2007, March 3, 2007

4. Application number(s) or patent number(s):

☒ This document is being filed together with a new application.

OR

☐ This document is being filed after filing of the application:

(a) Patent Application No(s). Unassigned, filed March 13, 2007; or
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Name of Person Signing


Signature

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