

Form PTO-1595
(Rev. 03/01)

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OMB No. 0651-0027 (exp. 5/31/2002)

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To the Honorable Commissioner of Patents.

Original documents or copy thereof.

1. Name of conveying party(ies):

Lernout & Hauspie Speech Products, N.V.

7.22.02

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

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other _____

12/27/01

Execution Date: _____

2. Name and address of receiving party(ies)

Name: Vantage Technology Holdings, LLC

Internal Address: _____

Street Address: 113 Floral Vale Blvd.

City: Yardley State: Pa Zip: 19067

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: N/A

A. Patent Application No.(s) Refer to Schedule A-
Patents (Attached)

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☐ No

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

Name: David I. Faust, Esq.

Internal Address: Faust Rabbach

& Oppenheim, LLP

Street Address: 488 Madison Avenue

City: New York State: NY Zip: 10022

6. Total number of applications and patents involved: 21

7. Total fee (37 CFR 3.41).....\$ 840.00

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

8. Deposit account number:

840 E

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9. Signature.

David I. Faust, Esq

Name of Person Signing

Signature

7/22/02

Date

Total number of pages including cover sheet, attachments, and documents: ☐

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

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

SCHEDULE A - PATENTS

Letters Patent

6,185,524	Method and Apparatus for Automatic Identification of Word Boundaries in Continuous Text and Computation of Word Boundary Scores	US	6-Feb-01
4,580,241	Graphic Word Spelling Correction Using Automated Comparisons with Phonetic Word Skeletons	US	1-Apr-86
4,724,523	Method and Apparatus for the Electronic Storage and Retrieval of Expressions and Linguistic Information	US	9-Feb-88
4,730,269	Method and Apparatus for Generating Word Skeletons Utilizing Alpha Set Replacement and Omission	US	9-Mar-88
4,771,401	Apparatus and Method for Linguistic Expression Processing	US	13-Sep-88
4,773,009	Method and Apparatus for Text Analysis	US	20-Sep-88
4,783,758	Automated word substitution using numerical rankings of structural disparity between misspelled words and candidate substitution words	US	8-Nov-88
4,864,501	Word Annotation System	US	5-Sep-89
4,864,502	Sentence Analyzer	US	5-Sep-89
4,868,750	Collocational Grammar System	US	19-Sep-89
5,680,628	Method and Apparatus for Automated Search and Retrieval Processing	US	21-Oct-97
5,794,177	Method and Apparatus for Morphological Analysis and Generation of Natural Language Text	US	11-Aug-98

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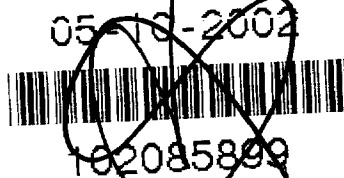
5,890,103	Method and Apparatus for Improved Tokenization of Natural Language Text	US	30-Mar-99
6,035,268	Method and Apparatus for Breaking Words in a Stream of Text	US	7-Mar-00
1,203,916	Graphic Word Spelling Correction Using Automated Comparisons with Phonetic Word Skeletons	Canada	29-Apr-86
1,248,635	Method and Apparatus for Semi-Automatic Spelling Correction	Canada	10-Jan-89
1,257,705	Method and Apparatus for the Electronic Storage Retrieval of Expressions and Linguistic Information	Canada	18-Jul-89
1,268,558	Method and Apparatus for the Electronic Storage and Retrieval of Expressions and Linguistic Information	Canada	1-May-90
1,295,746	Method and Apparatus for Text Analysis	Canada	11-Feb-92
1,300,269	Sentence Analyzer	Canada	5-May-92
1,300,272	Word Annotation System	Canada	5-May-92
1,301,934	Collocational Grammar System	Canada	26-May-92

Patent Applications

09/410,387	Apparatus and Method for Language Recognition	US	30-Sep-99
09/232,045	Apparatus and Method for Multilingual Information Retrieval	US	15-Jan-99
09/539,066	Automatic Orthographic Transformation of a Text Stream	US	30-Mar-00
09/452,220	Content-Based Text Filtering	US	1-Dec-99
09/780,141	Goods and Services Referring by Location	US	9-Feb-01
	Grammar-Package Driven Parsing	US	18-Jun-01

2,227,383	Method and Apparatus for Automated Search and Retrieval Processing	Canada	19-Jul-96
96 924 650.3	Method and Apparatus for Automated Search and Retrieval Processing	Europe	19-Jul-96
99120855.4	Method and Apparatus for Automated Search and Retrieval Processing	Europe	26-Oct-99
10-510976	Method and Apparatus for Breaking Words in a Stream of Text	Japan	21-Aug-97
37899/00	Method and Apparatus for Improved Part-of-Speech Tagging	Australia	17-Nov-99
09/441,792	Method and Apparatus for Improved Part-of-Speech Tagging	Europe	17-Nov-99
2000-582999	Method and Apparatus for Improved Part-of-Speech Tagging	Japan	17-Nov-99
09/441,792	Method and Apparatus for Improved Part-of-Speech Tagging	US	17-Nov-99
09/277,264	System and Method for Providing Translation Resource Access	US	26-Mar-99

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MANUAL OF PATENT EXAMINING PROCEDURE

Form PTO-1593
(Rev. 08/01)
OMB No. 0651-0027 (exp. 6/31/2002)
Fee: \$100.00

RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): <u>Lernout & Hauspie Speech Products, N.V.</u> <u>2/27/02</u></p> <p>Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: <u>Vantage Technology Holdings, LLC</u> Internal Address: _____</p> <p>Street Address: <u>113 Floral Vale Blvd.</u></p> <p>City: <u>Yardley</u> State: <u>Pa</u> Zip: <u>19067</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: <u>December 27, 2001</u></p>	<p>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: <u>N/A</u> A. Patent Application No.(s) _____ B. Patent No.(s) _____ Refer to Schedule A- Vantage (attached) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>David I. Faust, Esq</u> Internal Address: <u>FAUST, Rabbach & Oppenheim LLP</u> Street Address: <u>488 Madison Avenue</u> City: <u>New York</u> State: <u>NY</u> Zip: <u>10022</u></p>	<p>6. Total number of applications and patents involved: <u>127</u></p> <p>7. Total fee (37 CFR 8.41).....\$ <u>840.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: _____ (Attach duplicate copy of this page if paying by deposit account)</p>

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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 I. Faust, Esq.
Name of Person Signing
David Faust
Signature
2/20/02
Date

Total number of sheets including cover sheet, attachments, and documents: ☐

Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20531

Mar. 29 2001 01:50PM P3

PHONE NO. : 1-800-451-5211

FROM : 02/28/2002 J3ALLPH2 00000011 6185524 840.00 OP

FD-501

PATENT
REEL: 013089 FRAME: 0976

PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT (this "Assignment"), dated as of December 27, 2001, is entered into by and between Lernout & Hauspie Speech Products N.V., a corporation organized under the laws of the Kingdom of Belgium (the "Assignor"), and Vantage Technology Holdings, a Pennsylvania limited liability company ("Assignee"), and is made and delivered pursuant to, and subject to, the terms of the Asset Purchase Agreement, dated December 11, 2001, by and among the parties to this Assignment (and other parties as provided in such Asset Purchase Agreement) (the "Purchase Agreement").

WHEREAS, Assignor owns the entire right, title and interest in and to the Letters Patents and Patent Applications listed on Schedule A, hereto (collectively, the "Patents"), and in and to the inventions disclosed in the Patents; and

WHEREAS, Assignee seeks the entire right, title and interest in and to the Patents and the inventions disclosed in the Patents;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, Assignor hereby assigns, sells and transfers unto Assignee, and Assignee's lawful successors and assigns, Assignor's entire right, title, and interest in and to the Patents, the inventions disclosed in the Patents or other legal protection based thereon, and all divisionals, continuations, continuation-in-part applications, continued prosecution applications (and their international equivalents), extensions, renewals, substitutes and reissues thereof throughout the world, including, without limitation, the right to sue and collect for past infringement, to be held and enjoyed by Assignee for its own use, and for the use of its legal representatives, as fully and entirely as the same would have been held by Assignor had this Assignment not been made, and Assignor further authorizes and requests the appropriate office governing patents to record this Assignment as to each Patent to Assignee, and Assignee's lawful successors and assigns, in accordance with the terms of this Assignment;

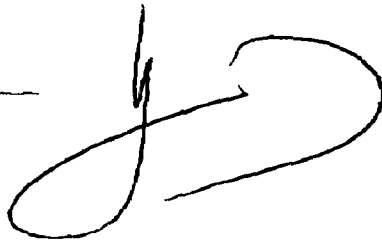
AND, ASSIGNOR HEREBY further covenants and agrees, without additional consideration, to sign and deliver to Assignee, and Assignee's lawful successors and assigns, all lawful papers that may be necessary or desirable to perfect the title to any Patent or invention disclosed therein, and any divisionals, continuations, continuation-in-part applications, continued prosecution applications (and their international equivalents), extensions, renewals, substitutes and reissues thereof; it being understood that any expense incident to the signing or delivery of such lawful papers shall be borne by Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, Assignor has caused execution of this Assignment
this 17th day of December, 2001.

ASSIGNOR

LERNOUT & HAUSPIE
SPEECH PRODUCTS N.V.

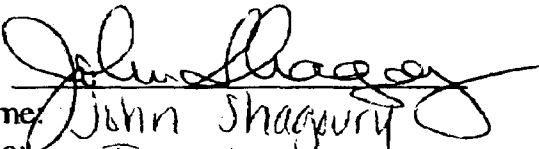
By: 17 Vansteenkiste
Name: Christen
Title:



Notary Public

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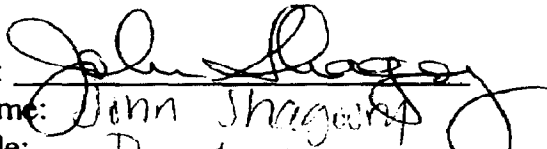
L&H HOLDINGS USA, INC.

By: 
Name: John Shagoury
Title: President

Pamela Gurney Farnham
Notary Public

PAMELA GURNEY FARNHAM
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES JULY 5, 2007

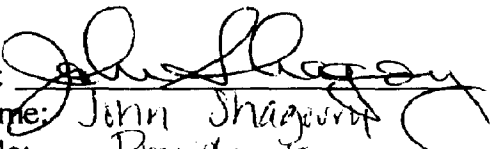
INTERACTIVE SYSTEMS, INC.

By: 
Name: John Shagoury
Title: President

Pamela Gurney Farnham
Notary Public

PAMELA GURNEY FARNHAM
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES JULY 5, 2007

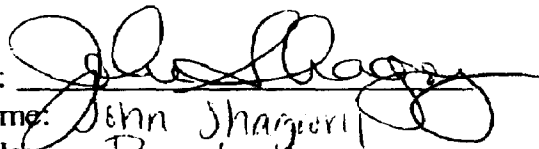
LERNOUT & HAUSPIE SPEECH PRODUCTS USA, INC.

By: 
Name: John Shagoury
Title: President

Pamela Gurney Farnham
Notary Public

PAMELA GURNEY FARNHAM
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES JULY 5, 2007

L&H APPLICATIONS USA, INC.

By: 
Name: John Shagoury
Title: President

Pamela Gurney Farnham
Notary Public

PAMELA GURNEY FARNHAM
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES JULY 5, 2007

NY1.#3307513

LINGUISTIC TECHNOLOGIES, INC.

By: John Shagov
Name: John Shagov
Title: President

Pamela Gurney Farnham
Notary Public

PAMELA GURNEY FARNHAM
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES JULY 5, 2007

L&H JAPAN K.K.

By: _____
Name: _____
Title: _____

Notary Public

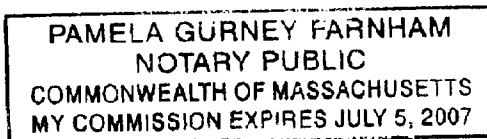
NY1:#3307513

PATENT
REEL: 013089 FRAME: 0980

L&H LINGUISTICS USA, INC.

By: John Shagovsky
Name: John Shagovsky
Title: President

Pamela Gurney Farnham
Notary Public



LERNOUT & HAUSPIE JAPAN INC.

By: _____
Name: _____
Title: _____

Notary Public

NY1:#3307513

PATENT
REEL: 013089 FRAME: 0981


PATENT ASSIGNMENT AGREEMENT
L & H / VANTAGE 1/2

LINGUISTIC TECHNOLOGIES, INC.

By: _____
Name: _____
Title: _____

Notary Public

L&H JAPAN K.K.

By: 
Name: NORITAKA MUROTO
Title: PRESIDENT

Notary Public

NY1:#3307513


PATENT ASSIGNMENT AGREEMENT
L&H / VANTAGE 3/2

L&H LINGUISTICS USA, INC.

By: _____
Name: _____
Title: _____

Notary Public

LERNOUT & HAUSPIE JAPAN INC.

By: 
Name: NORITAKA MURATA
Title: PRESIDENT

Notary Public

NY1:#3307513

RECORDED: 07/22/2002

PATENT
REEL: 013089 FRAME: 0983