

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3035642

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SANDRO CUMANI	09/16/2014
CLAUDIO VAIR	09/16/2014
DANIELE ERNESTO COLIBRO	09/16/2014
PIETRO LAFACE	09/16/2014
KEVIN R. FARRELL	09/18/2014
RECEIVING PARTY DATA	
Name:	NUANCE COMMUNICATIONS, INC.
Street Address:	ONE WAYSIDE ROAD
City:	BURLINGTON
State/Country:	MASSACHUSETTS
Postal Code:	01803
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14454169
CORRESPONDENCE DATA	
Fax Number:	(978)341-0136
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	978-341-0036
Email:	donna.bartolone@hbsr.com
Correspondent Name:	MARK B. SOLOMON
Address Line 1:	530 VIRGINIA ROAD, P.O. BOX 9133
Address Line 2:	HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
Address Line 4:	CONCORD, MASSACHUSETTS 01742-9133
ATTORNEY DOCKET NUMBER:	4765.1042-000
NAME OF SUBMITTER:	DONNA BARTOLONE
SIGNATURE:	/Donna Bartolone/
DATE SIGNED:	09/22/2014
Total Attachments: 8	
source=47651042000ExecutedAssignments#page1.tif	

PATENT

source=47651042000ExecutedAssignments#page2.tif
source=47651042000ExecutedAssignments#page3.tif
source=47651042000ExecutedAssignments#page4.tif
source=47651042000ExecutedAssignments#page5.tif
source=47651042000ExecutedAssignments#page6.tif
source=47651042000ExecutedAssignments#page7.tif
source=47651042000ExecutedAssignments#page8.tif

JointASSIGNMENT

WHEREAS, we, **Sandro Cumani, Claudio Vair, Daniele Ernesto Colibro, Pietro Laface and Kevin R. Farrell**, have invented a certain improvement in **Fast Speaker Recognition Scoring Using I-Vector Posteriors And Probabilistic Linear Discriminant Analysis** described in an application for Patent,

- ☐ the specification of which is about to be filed in the United States Patent Office *(use for utility (37 CFR § 1.53(b)) and design filings only)*;
- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☒ the specification of which is United States Application No. **14/454,169**, filed **August 7, 2014**;
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [], filed , which designates the United States of America [and is assigned United States Application No.];
- ☐ which was patented under United States Patent No. [].

WHEREAS, **Nuance Communications, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **One Wayside Road, Burlington, Massachusetts 01803** desires to confirm its interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications, and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the

Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation, continuation-in-part applications, and all related provisional and nonprovisional, international and national phase applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;




AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

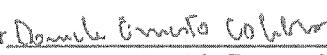


Inventor Sandro Cumani Date 16/09/2019
Sandro Cumani

Address Via Gorizia, 169
Torino, 10137 Italy

Witness Signature Rita Cannata
Print Witness Name RITA CANNATA
Address CSO N. L. KING, 63 GALLIASSO (TO)

Witness Signature Salvatore Trumbare
Print Witness Name SALVATORE TRUMBARE
Address C.SO GARIBOLDI 41, VENEZIA (TO)

Inventor  Date September 16, 2014
Claudio Vair
Address Via Felice Falco, 87
Borgone Susa (TO), 10050 Italy
Witness Signature 
Print Witness Name GARRONE ROBERTO
Address VIA AUDO PURO 5
VENARIA (TO), 10078 ITALY
Witness Signature 
Print Witness Name MASSIMO OLIVERO PISTOLETTO
Address BORG. GABELLI 6
SUSA (TO), 10059 ITALY

Inventor  Date September 16, 2014
Daniele Ernesto Colibro
Address Via Casalbagliano 47/T
Alessandria, 15121 Italy
Witness Signature 
Print Witness Name GARRONE ROBERTO
Address VIA AUDO PURO 5
VENARIA (TO), 10078 ITALY
Witness Signature 
Print Witness Name MASSIMO OLIVERO PISTOLETTO
Address BORG. GABELLI 6
SUSA (TO), 10059 ITALY

Inventor Pietro Laface Date 16/03/2019
Pietro Laface

Address Via Giacinto Collegno, 2

Torino, 10138 Italy

Witness Signature Pietro Cannata

Print Witness Name PIETRO CANNATA

Address C.so. M. L. KING n°63 GRUGLIASCO (TO)

Witness Signature Salvatore Trumbadori

Print Witness Name SALVATORE TRUMBADORI

Address CS GARIBOLDI 21 VAREZIA (TO)

Inventor _____ Date _____

Kevin R. Farrell

Address 25 Norwich Circle

Medford, Massachusetts 02155

Witness Signature _____

Print Witness Name _____

Address _____

Witness Signature _____

Print Witness Name _____

Address _____

JointASSIGNMENT

WHEREAS, we, **Sandro Cumani, Claudio Vair, Daniele Ernesto Colibro, Pietro Laface and Kevin R. Farrell**, have invented a certain improvement in **Fast Speaker Recognition Scoring Using I-Vector Posteriors And Probabilistic Linear Discriminant Analysis** described in an application for Patent,

- ☐ the specification of which is about to be filed in the United States Patent Office *(use for utility (37 CFR § 1.53(b)) and design filings only)*;
- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☒ the specification of which is United States Application No. **14/454,169**, filed **August 7, 2014**;
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [], filed , which designates the United States of America [and is assigned United States Application No.];
- ☐ which was patented under United States Patent No. [].

WHEREAS, **Nuance Communications, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **One Wayside Road, Burlington, Massachusetts 01803** desires to confirm its interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications, and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the

Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation, continuation-in-part applications, and all related provisional and nonprovisional, international and national phase applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor _____ Date _____
Sandro Cumani

Address _____
Via Gorizia, 169
Torino, 10137 Italy

Witness Signature _____

Print Witness Name _____

Address _____

Witness Signature _____

Print Witness Name _____

Address _____

Inventor _____ Date _____

Claudio Vair

Address _____ Via Felice Falco, 87 _____

_____ Borgone Susa (TO), 10050 Italy _____

Witness Signature _____

Print Witness Name _____

Address _____

Witness Signature _____

Print Witness Name _____

Address _____

Inventor _____ Date _____

Daniele Ernesto Colibro

Address _____ Via Casalbaggianlo 47/T _____

_____ Alessandria, 15121 Italy _____

Witness Signature _____

Print Witness Name _____

Address _____

Witness Signature _____

Print Witness Name _____

Address _____

Inventor _____ Date _____
Pietro Laface

Address Via Giacinto Collegno, 2
Torino, 10138 Italy

Witness Signature _____

Print Witness Name _____

Address _____

Witness Signature _____

Print Witness Name _____

Address _____

Inventor Kevin R. Farrell Date 18 SEP 2014
Kevin R. Farrell

Address 25 Norwich Circle
Medford, Massachusetts 02155

Witness Signature Jonathan W. Waldman

Print Witness Name Jonathan W. Waldman

Address 9 Henshaw St.
West Newton, MA 02465

Witness Signature Maria Heiniluoma

Print Witness Name Maria Heiniluoma

Address 60 California Street
Watertown, MA 02472