# 502184407 01/04/2013

# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the typo in the Title of Invention to CONSTANT; and to update Assignee's address to: Rue due Sablon 2-4, Morges, SWITZERLAND CH-1110 previously recorded on Reel 024040 Frame 0521. Assignor(s) hereby confirms the Assignment of Patent Application.

#### **CONVEYING PARTY DATA**

Name	Execution Date
Jason Riggs	03/04/2010
Jason N. Linse	03/04/2010
Rong Hu	03/04/2010
Joy E. Lyons	03/04/2010

#### RECEIVING PARTY DATA

Name:	LOGITECH EUROPE S.A.	
Street Address:	Rue du Sablon 2-4	
City:	Morges	
State/Country:	SWITZERLAND	
Postal Code:	CH-1110	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	12717781	

# **CORRESPONDENCE DATA**

**Fax Number**: 4155760300

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

Phone: (415) 576-0200

Email: rysip@kilpatricktownsend.com

Correspondent Name: Kilpatrick Townsend & Stockton LLP

Address Line 1: Two Embarcadero Center

Address Line 2: Eighth Floor

Address Line 4: San Francisco, CALIFORNIA 94111-3834

**ATTORNEY DOCKET NUMBER:** 86946-082700US-766041

PATENT

REEL: 029572 FRAME: 0554

> \$40.00 12717781

502184407

NAME OF SUBMITTER: Raquel Pacheco, Reg. No. 58,401

Total Attachments: 2

source=ASSIGNMENT\_86946-082700US-766041#page1.tif source=ASSIGNMENT\_86946-082700US-766041#page2.tif

PATENT REEL: 029572 FRAME: 0555 :RAQUEL PACHECO COMPANY:TOWNSEND AND TOWNSEND AND CREW LLP

MAR. 5. 2010 2:30PM

# 03/05/2010 700431142

NO. 6100 P. 2/4

Attorney Docket No. 09623A-082700US

RECORDATION FORM COVER SHEET PATENTS ONLY  To the Director of the U.S. Patent and Trademark Office: Please record the attached occuments or the new address(es) below.  1. Name of conveying party(les) Jason Riggs, Jason N. Linse, Rong Hu, Joy E. Lyons    Name: Logitech Europe S.A. Internal Address:	To the Director of the U.S. Patient and Trademark Office Please record the altached documents or the new address(se) below.  1. Name of conveying party(les) Jason Riggs, Jason N. Linse, Rong Hu, Joy E. Lyons  Additional name(s) of conveying party(les) Jason Riggs, Jason N. Linse, Rong Hu, Joy E. Lyons  Additional name(s) of conveying party(les) attached?   Yes   No  3. Nature of conveyance/Execution Date(s): Execution Date(s) March 4, 2010 (Riggs) March 4, 2010 (Linse) March 4, 2010 (Linse) March 4, 2010 (Lyons)    Security Agreement	Form PTO-1595 (Rev. 03/09) DMB No. 0651-0027 ( <u>exp. 03/31/2009)</u>	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office			
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.  1. Name of conveying party(les)  Jason Riggs, Jason N. Linse, Rong Hu, Joy E. Lyons    Additional name(s) of conveying party(les) attached?   Yes   No   Name: Logitech Europe S.A.     Internal Address:   Moulin du Choc   Street Address:   Moulin du Choc   Street Address:   Moulin du Choc   Street Address:   Moulin du Choc   City: Romane -sur-Morges     City: Romane -sur-Morges	To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(er) below.  1. Name of conveying party(les) Jason Riggs, Jason N. Linse, Rong Hu, Joy E. Lyons    Additional name(s) of conveying party(les) attached?   Yes   No   Name: Logitech Europe S.A. Internal Address:   Moulin du Choc   S. Nature of conveyance/Execution Date(s):   Execution Date(s)   March 4, 2010 (Riggs)   March 4, 2010 (Linse)   March 4, 2010 (Liuse)   March 4, 2010					
Name of conveying party(les)   Jason Riggs, Jason N. Linse, Rong Hu, Joy E. Lyons   Name: Logitech Europe S.A.   Internal Address:   Moulin du Choc	1. Name of conveying party(les) Jason Riggs, Jason N. Linse, Rong Hu, Joy E. Lyons  Additional name(s) of conveying party(les) stached?   Yes   No 3. Nature of conveyance/Execution Date(s): Execution Date(s) March 4, 2010 (Riggs) March 4, 2010 (Linse) March 5, 2010  Additional name(s) & address(es) attached?   Yes   No 6. Total name (s) & address(es) attached?   Yes   No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1,21(fr) & 3.41) \$ 40.00  More required (government interest not affacting title) March 5, 2010  Email Address: pacheco@townsend.com  Townsend and Crew LLP March 5, 2010 Date	PATENTS ONLY				
Jason Riggs, Jason N. Linse, Rong Hu, Joy E. Lyons    Name: Logitech Europe S.A.     Internal Address:   Moullin du Choc	Jason Riggs, Jason N. Linss, Rong Hu, Joy E. Lyons   Name: Logitech Europe S.A.   Internal Address:   March 4, 2010 (Riggs)   March 4, 2010 (Riggs)   March 4, 2010 (Linse)   March 5, 2010 (Linse)	To the Director of the U.S. Patent and Trademark Office: Please record the altached documents or the new address(es) below.				
Internal Address:   Inte	Internal Address:   Street Address:   Moulin du Choc	Name of conveying party(les)				
Internal Address:  Additional name(s) of conveying particles) attached? Yes No  3. Nature of conveyance/Execution Date(s):  Execution Date(s) March 4, 2010 (Riggs) March 4, 2010 (Linse) March 4, 2010 (Lyons)  Assignment	Internal Address: Internal Address: Moulin du Choc  Additional name(s) of conveying party(les) attached? Yes No  Nature of conveyance/Execution Date(s):  Execution Date(s) March 4, 2010 (Riggs)	Jason Riggs, Jason N. Linse, Rong Hu,	Name: Logitech Europe S.A.			
3. Nature of conveyance/Execution Date(s):  Execution Date(s) March 4, 2010 (Riggs)	3. Nature of conveyance/Execution Date(s):  Execution Date(s) March 4, 2010 (Riggs) March 4, 2010 (Linse) March 4, 2010 (Lyons)  Assignment Merger  Security Agreement Merger  Government Interest Assignment  Executive Order 9424, Confirmatory License  Other Additional name(s) & address(es) attached? Yes No  4. Application or patent number(s):  A. Patent Application No.(s)  12/717,781, filed March 4, 2010  Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name: Raquel Pacheco  Firet Address: Two Embarcadero Center, Eighth Floor  City: Romanql-sur-Morges  City: Romanql-sur-Morges  City: Romanql-sur-Morges  City: Romanql-sur-Morges  City: Romanql-sur-Morges  City: Romanql-sur-Morges  State:  Country: Switzerland Zip: CH-1122  Additional name(s) & address(es) attached? Yes No  Additional name(s) & address(es) attached? Yes No  6. Patent No.(s)  B. Patent No.(s)  5. Name and address to whom correspondence concerning document should be mailed:  Name: Raquel Pacheco  Firet Address: Two Embarcadero Center, Eighth Floor  City: San Francisco  State: California Zip: 94111-3834  Phone Number: (415) 576-0200  Fax Number: (415) 576-0200  Fax Number: (415) 576-0300  Email Address: rpacheco@townsend.com  9. Signature: March 5, 2010  March 4, 2010 (Inse)  City: Romanql-sur-Morges  City: Romanql-sur-Morges  City: Romanql-sur-Morges  City: Romanql-sur-Morges  Additional name(s) & address(es) attached? Yes No  B. Patent No.(s)  7. Total fee (37 CFR 1.21(ft) & 3.41) \$ 40.00  Authorized to be charged to deposit eccount States involved:	Joy E. L <b>yons</b>	Internal Address:			
3. Nature of conveyance/Execution Date(s):  Execution Date(s) March 4, 2010 (Riggs)	3. Nature of conveyance/Execution Date(s):  Execution Date(s) March 4, 2010 (Riggs) March 4, 2010 (Linse) March 4, 2010 (Lyons)  Assignment Merger  Security Agreement Merger  Government Interest Assignment  Executive Order 9424, Confirmatory License  Other Additional name(s) & address(es) attached? Yes No  4. Application or patent number(s):  A. Patent Application No.(s)  12/717,781, filed March 4, 2010  Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name: Raquel Pacheco  Firet Address: Two Embarcadero Center, Eighth Floor  City: Romanql-sur-Morges  City: Romanql-sur-Morges  City: Romanql-sur-Morges  City: Romanql-sur-Morges  City: Romanql-sur-Morges  City: Romanql-sur-Morges  State:  Country: Switzerland Zip: CH-1122  Additional name(s) & address(es) attached? Yes No  Additional name(s) & address(es) attached? Yes No  6. Patent No.(s)  B. Patent No.(s)  5. Name and address to whom correspondence concerning document should be mailed:  Name: Raquel Pacheco  Firet Address: Two Embarcadero Center, Eighth Floor  City: San Francisco  State: California Zip: 94111-3834  Phone Number: (415) 576-0200  Fax Number: (415) 576-0200  Fax Number: (415) 576-0300  Email Address: rpacheco@townsend.com  9. Signature: March 5, 2010  March 4, 2010 (Inse)  City: Romanql-sur-Morges  City: Romanql-sur-Morges  City: Romanql-sur-Morges  City: Romanql-sur-Morges  Additional name(s) & address(es) attached? Yes No  B. Patent No.(s)  7. Total fee (37 CFR 1.21(ft) & 3.41) \$ 40.00  Authorized to be charged to deposit eccount States involved:					
Execution Date(s) March 4, 2010 (Riggs)	Execution Date(s) March 4, 2010 (Riggs) March 4, 2010 (Lyons)  Assignment    Merger   Security Agreement   Change of Name   Joint Research Agreement   Change of Name   Government Interest Assignment   Executive Order 9424, Confirmatory License   Additional name(s) & address(es) attached?   Yes   No  4. Application or patent number(s): A. Patent Application No.(s) 127717,781, filed March 4, 2010  Additional name(s) & address(es) attached?   Yes   No  5. Name and address to whom correspondence concerning document should be mailed: Name: Raquel Pacheco   Internal Address:   Townsend and patents   Townsend and patents   Townsend and patents   Enclosed   None required (government interest not affacting title)  State:   California   Zip: 94111-3834   Phone Number:   (415) 576-0300   Email Address: rpacheco@townsend.com   Townsend and Townsend a		Street Address: Moulin du Choc			
March 4, 2010 (Linse) March 4, 2010 (Hu) March 4, 2010 (Lyons)  Assignment  Security Agreement  Government Interest Assignment  Executive Order 9424, Confirmatory License  Other  Additional name(s) & address(es) attached? Yes No  Application or patent number(s):  A. Patent Application No.(s)  12/717,781, filed March 4, 2010  Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name: Raquel Pacheco Internal Address:  TOWNSEND AND TOWNSEND AND CREW LLP  Street Address: Two Embargadero Center, Eighth Floor  State:  Country: Switzerland  Zip: CH-1122  Country: Switzerland  Zip: CH-1122  Additional name(s) & address(es) attached? Yes No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit secount  Enclosed None required (government interest not affecting title)	March 4, 2010 (Linse) March 4, 2010 (Lyons)  Assignment    Merger   Security Agreement   Change of Name   Joint Research Agreement   Change of Name   Joint Research Agreement   Country: Switzerland   Zip: CH-1122     Additional name(s) & address(es) attached?   Yes   No	-				
March 4, 2010 (Hu) March 4, 2010 (Lyons)  Assignment  Security Agreement  Change of Name  Joint Research Agreement  Government Interest Assignment  Executive Order 9424, Confirmatory License  Other  Additional name(s) & address(es) attached? Yes No  4. Application or patent number(s):  A. Patent Application No.(s)  12/717,781, filed March 4, 2010  Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name: Raquel Pacheco  Internal Address:  TOWNSEND AND TOWNSEND AND CREW LLP  Street Address: Two Embargadero Center, Eighth Floor  State:  Country: Switzerland  Zip: CH-1122  Additional name(s) & address(es) attached? Yes No  6. Patent No.(s)  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(fr) & 3.41) \$ 40.00  Authorized to be charged to deposit account Enclosed  None required (government interest not affecting title)	March 4, 2010 (Hu) March 4, 2010 (Lyons)  Assignment		City: Romanel-sur-Morges			
March 4, 2010 (Lyons)    Assignment	March 4, 2010 (Lyons)    Assignment	, , ,				
Security Agreement	Security Agreement	, ,				
Joint Research Agreement	Joint Research Agreement	Assignment Merger				
Government Interest Assignment  Executive Order 9424, Confirmatory License  Other  Additional name(s) & address(es) attached? Yes No  Additional name(s) & address(es) attached? Yes No  Additional name(s) & address(es) attached? Yes No  Additional numbers attached? Yes No  Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name: Raquel Pacheco  Internal Address:  TOWNSEND AND TOWNSEND AND CREW LLP  Street Address: Two Embargadero Center,  Eighth Floor  Country: Switzerland Zip: CH-1122  Additional name(s) & address(es) attached? Yes No  B. Patent No.(s)  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account  Enclosed  Enclosed  None required (government interest not affecting title)	Government Interest Assignment  Executive Order 9424, Confirmatory License Other  Additional name(s) & address(es) attached? Yes No  Application or patent number(s):  A. Patent Application No.(s)  12/717,781, filed March 4, 2010  Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name: Raquel Pacheco Internal Address: TOWNSEND AND TOWNSEND AND CREW LLP Street Address: Two Embargadero Center, Eighth Floor City: San Francisco State: California Zip: 94111-3834 Phone Number: (415) 576-0200 Fax Number: (415) 576-0300 Email Address: rpacheco@townsend.com  Signature  Country: Switzerland Zip: CH-1122  Additional name(s) & address(es) attached? Yes No  8. Patent No.(s)  5. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(fr) & 3.41) \$ 40.00  Authorized to be charged to deposit account Interest not affecting title)  8. Payment information  Account Number 20-1430  Account Number 20-1430  Authorized User Name Townsend and Townsend and Townsend and Crew LLP  9. Signature  March 5, 2010 Date	Security Agreement Change of Name	State:			
Executive Order 9424, Confirmatory License  Other	Executive Order 9424, Confirmatory License  Other	Joint Research Agreement				
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12/717,781, filed March 4, 2010  Additional numbers attached?   Solves No  5. Name and address to whom correspondence concerning document should be mailed:  Name: Raquel Pacheco Internal Address:  TOWNSEND AND TOWNSEND AND CREW LLP Street Address: Two Embarcadero Center,  Eighth Floor  Eighth Floor  Find March 4, 2010  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account	12/717,781, filed March 4, 2010  Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name: Raquel Pacheco	4. Application or patent number(s):	document is being filed together with a new application.			
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Name: Raquel Pacheco Internal Address:  TOWNSEND AND TOWNSEND AND CREW LLP Street Address: Two Embarcadero Center, Eighth Floor  Involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title)	Impoled:	Additional numbers attrached? Yes No				
Internal Address:  TOWNSEND AND TOWNSEND AND CREW LLP  Street Address: Two Embarcadero Center,  Eighth Floor  Authorized to be charged to deposit account  I Enclosed  None required (government interest not affecting title)	Internal Address:  TOWNSEND AND TOWNSEND AND CREW LLP Street Address: Two Embardadero Center, Eighth Floor  City: San Francisco State: California Zip: 94111-3834 Phone Number: (415) 576-0200 Fax Number: (415) 576-0300 Email Address: rpacheco@townsend.com  9. Signature:  Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)  8. Fayment information  Account Number 20-1430 Authorized User Name Townsend and Townsend and Crew LLP  March 5, 2010 Date					
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Eighth Floor None required (government interest not affecting title)	Eighth Floor  City: San Francisco State: California Zip: 94111-3834 Phone Number: (415) 576-0200 Fax Number: (415) 576-0300 Email Address: rpacheco@townsend.com  Signature: None required (government interest not affecting title)  8. Payment information  Account Number 20-1430 Authorized User Name Townsend and Townsend and Crew LLP  9. Signature: March 5, 2010 Date	TOWNSEND AND TOWNSEND AND CREW LLP	Authorized to be charged to deposit account			
	City: San Francisco State: California Zip: 94111-3834 Phone Number: (415) 576-0200 Fax Number: (415) 576-0300 Email Address: rpacheco@townsend.com  9. Signature: March 5, 2010 Signature  8. Payment information  Account Number 20-1430 Authorized User Name Townsend and Townsend and Crew LLP	Street Address: Two Embargadero Center,	1=-···			
City: San Francisco 8. Payment information	State: California Zip: 94111-3834 Phone Number: (415) 576-0200 Fax Number: (415) 576-0300 Email Address: rpacheco@townsend.com  9. Signature:  Signature  California Zip: 94111-3834 Account Number 20-1430 Authorized User Name Townsend and Townsend and Crew LLP	Eighth Floor	None required (government interest not affecting title)			
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Phone Number: (415) 576-0200 Account Number 20-1430	Email Address: rpacheco@townsend.com  Townsend and Crew LLP  9. Signature:  Signature  Date	Phone Number: <u>(415)</u> 576-0200	Account Number 20-1430			
Fax Number: (415) 576-0300 Authorized User Name Townsend and	Email Address: rpacheco@townsend.com  Townsend and Crew LLP  9. Signature:  March 5, 2010  Date	Fax Number: (415) 576-0300	Authorized User Name Townsend and			
	Signature Date	Email Address: rpacheco@townsend.com				
9. Signature: March 5, 2010	Signature Date	9. Signature:	March 5, 2010			
Signature Date	Raduel Pacheco Tatel number of names including cover 2	_	Date			
	Name of Person Signing Atty. Reg. No. 58,401 sheet, attachments, and documents:	Raquel Pacheco	Total number of pages including cover 2 sheet, attachments, and documents:			

Documents to be recorded (including cover sheet) should be faxed to (ST1) 273-6140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, VA 22513-1450, 62488622 v1

Attorney Docket No.: 09623A-082700US Client Reference No.: 200902050937/7

#### ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Jason Riggs of 922 NW 11th Ave., #1006, Portland, OR 97209; Jason N. Linse of 19407 SE 9th Circle, Camas, WA 98607; Rong Hu of 3100 SE 168th Ave., Apt. 49, Vancouver, WA 98683; and Joy E. Lyons of 4500 Nicholson Rd I-32, Vancouver, WA 98661, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

VIRTUAL SURROUND FOR LOUDSPEAKERS WITH

INCREASED CONSTANT DIRECTIVITY

Date(s) of execution of Declaration:

Filing Date:

Application No.:

; and

WHEREAS, Logitech Europe S.A., Moulin du Choc, Romanel-sur-Morges, Switzerland CH-1122, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 3/4/10

Dated: March 4, 2010

62482538 v1

**PATENT** 

REEL: 029572 FRAME: 0557