

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2990588

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ADRIAN M SCHUSTER	08/07/2014
KEVIN J BASTYR	08/07/2014
PRABHU ANNABATHULA	08/12/2014
ANDREW K WELLS	08/20/2014
WEN HAO ZHANG	08/18/2014
RECEIVING PARTY DATA	
Name:	MOTOROLA MOBILITY LLC
Street Address:	222 WEST MERCHANDISE MART PLAZA
Internal Address:	SUITE 1800
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60654
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14464789
CORRESPONDENCE DATA	
Fax Number:	(312)291-4033
<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:	2242402794
Email:	docketing.mobility@motorola.com
Correspondent Name:	MOTOROLA MOBILITY LLC
Address Line 1:	222 WEST MERCHANDISE MART PLAZA
Address Line 2:	SUITE 1800
Address Line 4:	CHCIAGO, ILLINOIS 60654
ATTORNEY DOCKET NUMBER:	CS42009
NAME OF SUBMITTER:	DENICE KRUEGER
SIGNATURE:	/Denice Krueger/
DATE SIGNED:	08/21/2014
Total Attachments: 21	

PATENT

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ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **ADRIAN M. SCHUSTER, WEST OLIVE, MICHIGAN; KEVIN J. BASTYR, MILWAUKEE, WISCONSIN; PRABHU ANNABATHULA, GURNEE, ILLINOIS; ANDREW K. WELLS, LINDENHURST, ILLINOIS; and WEN HAO ZHANG, LAKE VILLA, ILLINOIS** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto MOTOROLA MOBILITY LLC, a Limited Liability Company of the State of Delaware, having its principal office in Libertyville, State of Illinois, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions entitled "**Speaker Equalization Based on Sensor Positional Information**" as described, illustrated in Disclosure ID **(66190) CS42009** and as described, illustrated and claimed in the following applications:

U.S. Application filed herein and entitled: "**Systems and Methods for Equalizing Audio for Playback on an Electronic Device**"

I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and I further authorize Assignee to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to other applications for Letters Patent on the inventions referenced in this Assignment and Agreement, and all rights, title and interest in and to all applications for Letters Patent in respect of the invention filed under any and all international conventions and treaties together with the entire right, title and interest in and to Letters Patent which may be issued upon the application(s) or any application(s) otherwise claiming priority thereto, and upon any divisions, extensions, continuations, reissues and/or re-examinations of such application(s).

I further authorize Assignee to apply for Letters Patent directly in its own name where applicable, and to claim priority of the filing date of the application for Letters

Patent filed under the laws of the applicable country and under the provisions of any and all international conventions and treaties.

I hereby authorize Assignee to request the Commissioner of Patents of the United States of America to issue any Letters Patents upon the aforesaid application, divisions, extensions, continuations, reissues or re-examinations, to Assignee, for the sole use and benefit of Assignee, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and I hereby authorize Assignee to request the equivalent authorities in foreign countries to issue the patents of their respective countries to Assignee.

I agree that, when requested, I will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing, maintaining and enforcing patents for the inventions in any and all countries and for vesting title thereto in Assignee.

I covenant with Assignee that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Adrian M Schuster
ADRIAN M. SCHUSTER

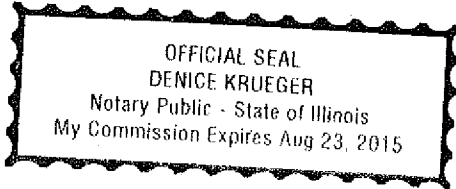
DATE: 8/7/2014

STATE OF ILLINOIS)
COUNTY OF Cook)ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that ADRIAN M. SCHUSTER whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 7th day of August, 2014.

My commission expires:



Denice Krueger
Notary Public Signature
Denice Krueger
Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

Kevin J. Bastyr DATE: 8-7-14
KEVIN J. BASTYR

STATE OF ILLINOIS)
)ss
COUNTY OF Cook)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that KEVIN J. BASTYR whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 7th day of August, 2014.

My commission expires:



Denice Krueger
Notary Public Signature
Denice Krueger
Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

Prabhu

PRABHU ANNABATHULA

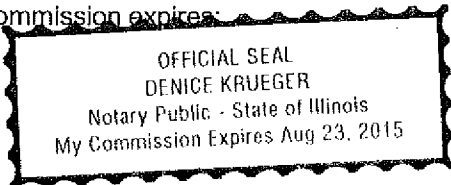
DATE: 08/12/2014

STATE OF ILLINOIS)
COUNTY OF Cook)ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that PRABHU ANNABATHULA whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 12th day of August, 2014.

My commission expires:



Denice Krueger
Notary Public Signature
Denice Krueger
Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

ANDREW K. WELLS

DATE: _____

STATE OF ILLINOIS)
)ss
COUNTY OF)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that ANDREW K. WELLS whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____, 2014.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

WEN HAO ZHANG

DATE: _____

STATE OF ILLINOIS)
)ss
COUNTY OF)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that WEN HAO ZHANG whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____, 2014.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **ADRIAN M. SCHUSTER, WEST OLIVE, MICHIGAN; KEVIN J. BASTYR, MILWAUKEE, WISCONSIN; PRABHU ANNABATHULA, GURNEE, ILLINOIS; ANDREW K. WELLS, LINDENHURST, ILLINOIS; and WEN HAO ZHANG, LAKE VILLA, ILLINOIS** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto MOTOROLA MOBILITY LLC, a Limited Liability Company of the State of Delaware, having its principal office in Libertyville, State of Illinois, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions entitled "**Speaker Equalization Based on Sensor Positional Information**" as described, illustrated in Disclosure ID **(66190) CS42009** and as described, illustrated and claimed in the following applications:

U.S. Application filed herein and entitled: "**Systems and Methods for Equalizing Audio for Playback on an Electronic Device**"

I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and I further authorize Assignee to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to other applications for Letters Patent on the inventions referenced in this Assignment and Agreement, and all rights, title and interest in and to all applications for Letters Patent in respect of the invention filed under any and all international conventions and treaties together with the entire right, title and interest in and to Letters Patent which may be issued upon the application(s) or any application(s) otherwise claiming priority thereto, and upon any divisions, extensions, continuations, reissues and/or re-examinations of such application(s).

I further authorize Assignee to apply for Letters Patent directly in its own name where applicable, and to claim priority of the filing date of the application for Letters

Patent filed under the laws of the applicable country and under the provisions of any and all international conventions and treaties.

I hereby authorize Assignee to request the Commissioner of Patents of the United States of America to issue any Letters Patents upon the aforesaid application, divisions, extensions, continuations, reissues or re-examinations, to Assignee, for the sole use and benefit of Assignee, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and I hereby authorize Assignee to request the equivalent authorities in foreign countries to issue the patents of their respective countries to Assignee.

I agree that, when requested, I will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing, maintaining and enforcing patents for the inventions in any and all countries and for vesting title thereto in Assignee.

I covenant with Assignee that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

DATE: _____

ADRIAN M. SCHUSTER

STATE OF ILLINOIS)
)ss
COUNTY OF _____)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that ADRIAN M. SCHUSTER whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____, 2014.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

KEVIN J. BASTYR

DATE: _____

STATE OF ILLINOIS)
)ss
COUNTY OF)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that KEVIN J. BASTYR whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____, 2014.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

PRABHU ANNABATHULA

DATE: _____

STATE OF ILLINOIS)
)ss
COUNTY OF)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that PRABHU ANNABATHULA whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____, 2014.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

A. K. Wells
ANDREW K. WELLS

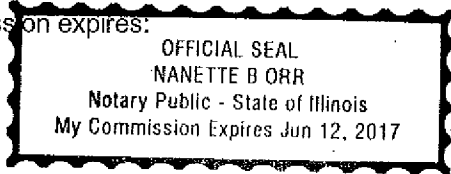
DATE: 8/20/14

STATE OF ILLINOIS)
COUNTY OF Cook)ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that ANDREW K. WELLS whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 20th day of August, 2014.

My commission expires:



Nanette B Orr
Notary Public Signature

Nanette B Orr
Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

WEN HAO ZHANG

DATE: _____

STATE OF ILLINOIS)
)ss
COUNTY OF)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that WEN HAO ZHANG whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____, 2014.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **ADRIAN M. SCHUSTER, WEST OLIVE, MICHIGAN; KEVIN J. BASTYR, MILWAUKEE, WISCONSIN; PRABHU ANNABATHULA, GURNEE, ILLINOIS; ANDREW K. WELLS, LINDENHURST, ILLINOIS; and WEN HAO ZHANG, LAKE VILLA, ILLINOIS** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto MOTOROLA MOBILITY LLC, a Limited Liability Company of the State of Delaware, having its principal office in Chicago, State of Illinois, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions entitled "**Speaker Equalization Based on Sensor Positional Information**" as described, illustrated in Disclosure ID **(66190) CS42009** and as described, illustrated and claimed in the following applications:

U.S. Application filed herein and entitled: "**Systems and Methods for Equalizing Audio for Playback on an Electronic Device**"

I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and I further authorize Assignee to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to other applications for Letters Patent on the inventions referenced in this Assignment and Agreement, and all rights, title and interest in and to all applications for Letters Patent in respect of the invention filed under any and all international conventions and treaties together with the entire right, title and interest in and to Letters Patent which may be issued upon the application(s) or any application(s) otherwise claiming priority thereto, and upon any divisions, extensions, continuations, reissues and/or re-examinations of such application(s).

I further authorize Assignee to apply for Letters Patent directly in its own name where applicable, and to claim priority of the filing date of the application for Letters

Patent filed under the laws of the applicable country and under the provisions of any and all international conventions and treaties.

I hereby authorize Assignee to request the Commissioner of Patents of the United States of America to issue any Letters Patents upon the aforesaid application, divisions, extensions, continuations, reissues or re-examinations, to Assignee, for the sole use and benefit of Assignee, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and I hereby authorize Assignee to request the equivalent authorities in foreign countries to issue the patents of their respective countries to Assignee.

I agree that, when requested, I will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing, maintaining and enforcing patents for the inventions in any and all countries and for vesting title thereto in Assignee.

I covenant with Assignee that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

DATE: _____

ADRIAN M. SCHUSTER

STATE OF ILLINOIS)
)ss
COUNTY OF)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that ADRIAN M. SCHUSTER whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____, 2014.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

_____ DATE: _____
KEVIN J. BASTYR

STATE OF ILLINOIS)
)ss
COUNTY OF)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that KEVIN J. BASTYR whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____, 2014.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

PRABHU ANNABATHULA

DATE: _____

STATE OF ILLINOIS)
)ss
COUNTY OF)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that PRABHU ANNABATHULA whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____, 2014.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

ANDREW K. WELLS

DATE: _____

STATE OF ILLINOIS)
)ss
COUNTY OF)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that ANDREW K. WELLS whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____, 2014.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two

Wen Hao Zhang
WEN HAO ZHANG

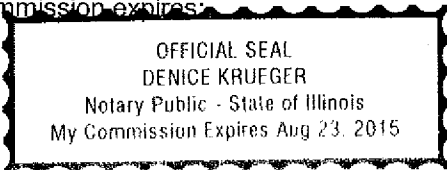
DATE: 8/18/14

STATE OF ILLINOIS)
COUNTY OF Cook)ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that WEN HAO ZHANG whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 18th day of August, 2014.

My commission expires:



Denice Krueger
Notary Public Signature
Denice Krueger
Printed Name of Notary Public

OR:

Witness One

Witness One Signature

Date

Printed Name of Witness One

Witness Two

Witness Two Signature

Date

Printed Name of Witness Two