

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3602587

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PING SHENG	10/20/2015
ZHIYU YANG	10/20/2015
MIN YANG	10/20/2015
GUANCONG MA	11/02/2015
SONGWEN XIAO	11/02/2015
RECEIVING PARTY DATA	
Name:	THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
Street Address:	CLEAR WATER BAY, KOWLOON
City:	HONG KONG
State/Country:	CHINA
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14889151
CORRESPONDENCE DATA	
Fax Number:	
<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:	703-548-6284
Email:	smajkut@nathlaw.com
Correspondent Name:	STEPHANIE MAJKUT
Address Line 1:	112 SOUTH WEST STREET
Address Line 4:	ALEXANDRIA, VIRGINIA 22314
ATTORNEY DOCKET NUMBER:	33153U_HKUST
NAME OF SUBMITTER:	JERALD L. MEYER
SIGNATURE:	/Jerald L. Meyer/
DATE SIGNED:	11/05/2015
Total Attachments: 10	
source=Declaration_Assignment_US_TTC_PA_0685_0724_Final_20151103#page1.tif	
source=Declaration_Assignment_US_TTC_PA_0685_0724_Final_20151103#page2.tif	
source=Declaration_Assignment_US_TTC_PA_0685_0724_Final_20151103#page3.tif	

source=Declaration_Assignment_US_TTC_PA_0685_0724_Final_20151103#page4.tif
source=Declaration_Assignment_US_TTC_PA_0685_0724_Final_20151103#page5.tif
source=Declaration_Assignment_US_TTC_PA_0685_0724_Final_20151103#page6.tif
source=Declaration_Assignment_US_TTC_PA_0685_0724_Final_20151103#page7.tif
source=Declaration_Assignment_US_TTC_PA_0685_0724_Final_20151103#page8.tif
source=Declaration_Assignment_US_TTC_PA_0685_0724_Final_20151103#page9.tif
source=Declaration_Assignment_US_TTC_PA_0685_0724_Final_20151103#page10.tif

DECLARATION UNDER 37 CFR §1.63 AND ASSIGNMENT

33153U
(TTC.PA.0685&724)

As the undersigned inventor, I hereby declare that this Declaration under 37 CFR §1.63 is directed to the following invention:

Title: **EXTRAORDINARY ACOUSTIC ABSORPTION INDUCED BY HYBRID RESONANCE AND ELECTRICAL ENERGY GENERATION FROM SOUND BY HYBRID RESONANT METASURFACE**

U.S. application serial number or PCT international application number **PCT/CN2014/082385**

Filed on **17 July 2014**

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, **The Hong Kong University of Science and Technology**
whose business address is

Clear Water Bay, Kowloon, Hong Kong (CN)

hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, any and all improvements thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt, adequacy and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, sells and transfers to said ASSIGNEE, its assigns and legal representatives, the entire right, title and interest for the United States and elsewhere throughout the world, in and to said invention and application, including any and all divisions and continuations thereof, any and all improvements thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any way arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives, in as ample and as beneficial a manner for all intents and purposes as the undersigned might or could have held and enjoyed the same had this assignment not been made.

The undersigned hereby agrees to execute all papers necessary to file said applications in the United States and elsewhere throughout the world, and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing any and all Letters Patent thereon. The undersigned authorizes and requests the Commissioner of Patents to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

ALSO, said ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

DECLARATION UNDER 37 CFR §1.63 AND ASSIGNMENT

33153U
(TTC.PA.0685&724)

I hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR: Ping SHENG

INVENTOR SIGNATURE: 

DATE: Oct. 20, 2015

DECLARATION UNDER 37 CFR §1.63 AND ASSIGNMENT

33153U
(TTC.PA.0685&724)

As the undersigned inventor, I hereby declare that this Declaration under 37 CFR §1.63 is directed to the following invention:

Title: **EXTRAORDINARY ACOUSTIC ABSORPTION INDUCED BY HYBRID RESONANCE AND ELECTRICAL ENERGY GENERATION FROM SOUND BY HYBRID RESONANT METASURFACE**

U.S. application serial number or PCT international application number

PCT/CN2014/082385

Filed on **17 July 2014**

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, **The Hong Kong University of Science and Technology**
whose business address is

Clear Water Bay, Kowloon, Hong Kong (CN)

hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, any and all improvements thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt, adequacy and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, sells and transfers to said ASSIGNEE, its assigns and legal representatives, the entire right, title and interest for the United States and elsewhere throughout the world, in and to said invention and application, including any and all divisions and continuations thereof, any and all improvements thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any way arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives, in as ample and as beneficial a manner for all intents and purposes as the undersigned might or could have held and enjoyed the same had this assignment not been made.

The undersigned hereby agrees to execute all papers necessary to file said applications in the United States and elsewhere throughout the world, and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing any and all Letters Patent thereon. The undersigned authorizes and requests the Commissioner of Patents to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

ALSO, said ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

DECLARATION UNDER 37 CFR §1.63 AND ASSIGNMENT

33153U
(TTC.PA.0685&724)

I hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR: Zhiyu YANG

INVENTOR SIGNATURE: 

DATE: Oct. 20, 2015

DECLARATION UNDER 37 CFR §1.63 AND ASSIGNMENT

33153U
(TTC.PA.0685&724)

As the undersigned inventor, I hereby declare that this Declaration under 37 CFR §1.63 is directed to the following invention:

Title: **EXTRAORDINARY ACOUSTIC ABSORPTION INDUCED BY HYBRID RESONANCE AND ELECTRICAL ENERGY GENERATION FROM SOUND BY HYBRID RESONANT METASURFACE**

U.S. application serial number or PCT international application number **PCT/CN2014/082385**

Filed on **17 July 2014**

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, **The Hong Kong University of Science and Technology**
whose business address is

Clear Water Bay, Kowloon, Hong Kong (CN)

hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, any and all improvements thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt, adequacy and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, sells and transfers to said ASSIGNEE, its assigns and legal representatives, the entire right, title and interest for the United States and elsewhere throughout the world, in and to said invention and application, including any and all divisions and continuations thereof, any and all improvements thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any way arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives, in as ample and as beneficial a manner for all intents and purposes as the undersigned might or could have held and enjoyed the same had this assignment not been made.

The undersigned hereby agrees to execute all papers necessary to file said applications in the United States and elsewhere throughout the world, and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing any and all Letters Patent thereon. The undersigned authorizes and requests the Commissioner of Patents to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

ALSO, said ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

DECLARATION UNDER 37 CFR §1.63 AND ASSIGNMENT

33153U
(TTC.PA.0685&724)

I hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR: **Min YANG**

INVENTOR SIGNATURE: 

DATE: 20 Oct 2015

DECLARATION UNDER 37 CFR §1.63 AND ASSIGNMENT

33153U
(TTC.PA.0685&724)

As the undersigned inventor, I hereby declare that this Declaration under 37 CFR §1.63 is directed to the following invention:

Title: **EXTRAORDINARY ACOUSTIC ABSORPTION INDUCED BY HYBRID RESONANCE
AND ELECTRICAL ENERGY GENERATION FROM SOUND BY HYBRID
RESONANT METASURFACE**

U.S. application serial number or PCT international application number

PCT/CN2014/082385

Filed on **17 July 2014**

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, **The Hong Kong University of Science and Technology**
whose business address is

Clear Water Bay, Kowloon, Hong Kong (CN)

hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, any and all improvements thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt, adequacy and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, sells and transfers to said ASSIGNEE, its assigns and legal representatives, the entire right, title and interest for the United States and elsewhere throughout the world, in and to said invention and application, including any and all divisions and continuations thereof, any and all improvements thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any way arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives, in as ample and as beneficial a manner for all intents and purposes as the undersigned might or could have held and enjoyed the same had this assignment not been made.

The undersigned hereby agrees to execute all papers necessary to file said applications in the United States and elsewhere throughout the world, and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing any and all Letters Patent thereon. The undersigned authorizes and requests the Commissioner of Patents to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

ALSO, said ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

DECLARATION UNDER 37 CFR §1.63 AND ASSIGNMENT

33153U
(TTC.PA.0685&724)

I hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR: Guancong MA

INVENTOR SIGNATURE: _____

DATE: Nov. 2, 2015

DECLARATION UNDER 37 CFR §1.63 AND ASSIGNMENT

33153U
(TTC.PA.0685&724)

As the undersigned inventor, I hereby declare that this Declaration under 37 CFR §1.63 is directed to the following invention:

Title: **EXTRAORDINARY ACOUSTIC ABSORPTION INDUCED BY HYBRID RESONANCE
AND ELECTRICAL ENERGY GENERATION FROM SOUND BY HYBRID
RESONANT METASURFACE**

U.S. application serial number or PCT international application number

PCT/CN2014/082385

Filed on **17 July 2014**

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, **The Hong Kong University of Science and Technology**
whose business address is

Clear Water Bay, Kowloon, Hong Kong (CN)

hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, any and all improvements thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt, adequacy and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, sells and transfers to said ASSIGNEE, its assigns and legal representatives, the entire right, title and interest for the United States and elsewhere throughout the world, in and to said invention and application, including any and all divisions and continuations thereof, any and all improvements thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any way arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives, in as ample and as beneficial a manner for all intents and purposes as the undersigned might or could have held and enjoyed the same had this assignment not been made.

The undersigned hereby agrees to execute all papers necessary to file said applications in the United States and elsewhere throughout the world, and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing any and all Letters Patent thereon. The undersigned authorizes and requests the Commissioner of Patents to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

ALSO, said ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

DECLARATION UNDER 37 CFR §1.63 AND ASSIGNMENT

33153U
(TTC.PA.0685&724)

I hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR: Songwen XIAO

INVENTOR SIGNATURE: XIAO, Songwen

DATE: 2/11/2015