## 502776143 04/21/2014

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2822738

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
GERARD MICHAEL SWALLOWE	03/20/2014
DANIEL PETER ELFORD	03/20/2014
FEODOR KUSMARTSEV	03/22/2014
LUKE CHALMERS	03/20/2014

#### **RECEIVING PARTY DATA**

Name:	LOUGHBOROUGH UNIVERSITY
Street Address:	DEPARTMENT OF PHYSICS
City:	LEICESTERSHIRE
State/Country:	UNITED KINGDOM
Postal Code:	LE113TU

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

Property Type	Number
Application Number:	14184513

#### **CORRESPONDENCE DATA**

**Fax Number:** (509)323-8979

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

**Phone:** 2063154001

Email: Soniap@leehayes.com
Correspondent Name: BRADLEY W. WAGNER
Address Line 1: LEE & HAYES PLLC

Address Line 2: 601 W. RIVERSIDE AVE., SUITE 1400 Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER: S116-0007US

NAME OF SUBMITTER: SONIA V. PAJARES

SIGNATURE: /Sonia V. Pajares/

DATE SIGNED: 04/21/2014

**Total Attachments: 9** source=13S9199#page1.tif source=13S9199#page2.tif

PATENT 502776143 REEL: 032721 FRAME: 0557

201722 1250100#page2 tif		
source=13S9199#page3.tif		
source=13S9199#page4.tif		
source=13S9199#page5.tif		
source=13S9199#page6.tif		
source=13S9199#page7.tif		
source=13S9199#page8.tif		
source=13S9199#page9.tif		

PATENT REEL: 032721 FRAME: 0558

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number	14/184.513
Filing Date	
Inventorship	
Applicant	Loughborough University
Attorney's Docket No.	S116-0007US
Client Docket No.	
Title: Attenuators, Arrangements of Attenuators, Acon	astic Barriers and Methods for
Constructing Acoustic Barriers	

#### PATENT ASSIGNMENT

### PARTIES TO THE ASSIGNMENT

#### Assignor(s):

Gerard Michael Swallowe Loughborough University Department of Physics Leicestershire, United Kingdom LEH 3TU

Daniel Peter Elford Loughborough University Department of Physics Leicestershire, United Kingdom LEI1 3TU

Feodor Kusmartsev Loughborough University Department of Physics Leicestershire, United Kingdom LEI1 3TU

Luke Chalmers
Loughborough University
Department of Physics
Leicestershire, United Kingdom LE11 3TU

## Assignee:

Loughborough University Department of Physics Leicestershire, United Kingdom LEII 3TU

Attorney Docket No. S136-0007US Client Docket No. LMT/AUT/19011US2 Patent Assignment

#### AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "Attenuators, Arrangements of Attenuators, Acoustic Barriers and Methods for Constructing Acoustic Barriers" for which:

a provisional application for United States Letters Patent was filed on \_\_\_\_\_ and was given U.S. Serial No. \_\_\_\_\_ and/or

a non-provisional application for United States Letters Patent was:

filed on February 19, 2014 and was given U.S. Serial No. 14/184,513; or filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Lee & Hayes, PLLC, 601 W Riverside Ave, Suite 1400, Spokane, Washington 99201, who are associated with customer number 29150, to insert in the caption above the serial number and filing date of the patent application when known.

WHEREAS, Loughborough University (hereinafter referred to as ASSIGNEE), a university of the United Kingdom having a place of business at Department of Physics, Leicestershire, UK LEII 3TU, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by

Page 2 of 3

Attorney Docket No. SI16-0007US Client Docket No. LMT/ALT/19011US2 Patent Assignment

ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

Date	Gerard Michael Swallowe
20/3/14	
Date	Daniel Peter Elford
Date	Feodor Kusmartsev
Date	Luke Chalmers

Page 3 of 3

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number	14/184,513
Filing Date	February 19, 2014
Inventorship	Swallowe et al.
Applicant	Loughborough University
Attorney's Docket No	S115-0007US
Client Docket No	EMT/ALT/19011US2
Title: Attenuators, Arrangements of Attenu	
Constructing Acoustic Barriers	

#### PATENT ASSIGNMENT

# PARTIES TO THE ASSIGNMENT

## Assignor(s):

Gerard Michael Swallowe Loughborough University Department of Physics Leicestershire, United Kingdom LEI1 3TU

Daniel Peter Elford Loughborough University Department of Physics Leicestershire, United Kingdom LE11 3TU

Feodor Kusmartsev Loughborough University Department of Physics Leicestershire, United Kingdom LE11 3TU

Luke Chalmers
Loughborough University
Department of Physics
Leicestershire, United Kingdom LE11 3TU

## Assignee:

Loughborough University Department of Physics Leicestershire, United Kingdom LE11 3TU

### AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "Attenuators, Arrangements of Attenuators, Acoustic Barriers and Methods for Constructing Acoustic Barriers" for which:

a provisional application for United States Letters Patent was filed on \_\_\_\_\_\_ and was given U.S. Serial No. \_\_\_\_\_and/or

🔯 a non-provisional application for United States Letters Patent was:

filed on February 19, 2014 and was given U.S. Serial No. 14/184,513; or filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Lee & Hayes, PLLC, 601 W Riverside Ave, Suite 1400, Spokane, Washington 99201, who are associated with customer number 29150, to insert in the caption above the serial number and filing date of the patent application when known.

WHEREAS, Loughborough University (hereinafter referred to as ASSIGNEE), a university of the United Kingdom having a place of business at Department of Physics, Leicestershire, UK LE11 3TU, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by

Page 2 of 3

Attorney Docket No. S116-0007US Client Docket No. LMT/ALT/19011US2 Patent Assignment

ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

20 <sup>28</sup> Marcu 2007	- Janus Wishel Savellow
Date	Gerard Michael Swallowe
Date	Daniel Peter Elford
$\frac{2\sqrt{2\sqrt{23/20/4}}}{\text{Date}}$	Feodor Kusmartsev
Date	Luke Chalmers

Page 3 of 3

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Filing Date February 19, 2014 Inventorship....... Swallowe et al. Applicant \_\_\_\_\_Loughborough University Attorney's Docket No. ...... S116-0007US Client Docket No. LMT/ALT/19011US2 Attenuators, Arrangements of Attenuators, Acoustic Barriers and Methods for

Constructing Acoustic Barriers

#### PATENT ASSIGNMENT

#### PARTIES TO THE ASSIGNMENT

## Assignor(s):

Gerard Michael Swallowe Loughborough University Department of Physics Leicestershire, United Kingdom LE11 3TU

Daniel Peter Elford Loughborough University Department of Physics Leicestershire, United Kingdom LE11 3TU

Feodor Kusmartsev Loughborough University Department of Physics Leicestershire, United Kingdom LE11 3TU

Luke Chalmers Loughborough University Department of Physics Leicestershire, United Kingdom, LETI 3TU

## Assignee:

Loughborough University Department of Physics Leicestershire, United Kingdom LE11 3TU

Attorney Docket No. S116-0007US Client Docket No. LMT/ALT/19011US2 Patent Assignment

### AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "Attenuators, Arrangements of Attenuators, Acoustic Barriers and Methods for Constructing Acoustic Barriers" for which:

a provisional application for United States Letters Patent was filed on \_\_\_\_\_\_ and was given U.S. Serial No. \_\_\_\_\_ and/or

🔯 a non-provisional application for United States Letters Patent was:

☐ filed on February 19, 2014 and was given U.S. Serial No. 14/184,513; or filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Lee & Hayes, PLLC, 601 W Riverside Ave, Suite 1400. Spokane, Washington 99201, who are associated with customer number 29150, to insert in the caption above the serial number and filing date of the patent application when known.

WHEREAS, Loughborough University (hereinafter referred to as ASSIGNEE), a university of the United Kingdom having a place of business at Department of Physics, Leicestershire, UK LE11 3TU, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by

Page 2 of 3

Attorney Docket No. \$116-0007US Client Docket No. LMT/ALT/19011US2 Patent Assignment

ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

Date	Gerard Michael Swallowe	
Date	Daniel Peter Elford	
Date	Feodor Kusmartsev	
<u>20/03/14</u> Date	Luke Chalmers	

Page 3 of 3

RECORDED: 04/21/2014

PATENT REEL: 032721 FRAME: 0567