

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2705738

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>BENOIT TEYSSANDIER</td> <td>01/23/2014</td> </tr> <tr> <td>ROBERT DOWLE</td> <td>01/17/2014</td> </tr> <tr> <td>DOMINIQUE THOMAS</td> <td>01/27/2014</td> </tr> <tr> <td>JOHN SALLAS</td> <td>01/07/2014</td> </tr> </tbody> </table>		Name	Execution Date	BENOIT TEYSSANDIER	01/23/2014	ROBERT DOWLE	01/17/2014	DOMINIQUE THOMAS	01/27/2014	JOHN SALLAS	01/07/2014
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>CGG SERVICES SA</td> </tr> <tr> <td>Street Address:</td> <td>27, AVENUE CARNOT</td> </tr> <tr> <td>City:</td> <td>MASSY CEDEX</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>91341</td> </tr> </table>		Name:	CGG SERVICES SA	Street Address:	27, AVENUE CARNOT	City:	MASSY CEDEX	State/Country:	FRANCE	Postal Code:	91341
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
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ATTORNEY DOCKET NUMBER:	0336-331-2/100571										
NAME OF SUBMITTER:	REMUS F. FETEA										
Signature:	/Remus F. Fetea/										

Date:

01/30/2014

**Total Attachments: 5**

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ASSIGNMENT

In accordance with my obligations under an Employee Innovation and Proprietary Information Agreement or (as applicable) arising out of other agreements (such as, but not limited to, the Services Agreement between CGG Services SA, a French Corporation, and my employer), and/or for other good and valuable consideration of which I/we acknowledge receipt, I/we,

**Benoît TEYSSANDIER of Massy, FRANCE**

**Robert DOWLE of Massy, FRANCE**

**Dominique THOMAS of Gif-Sur-Yvette, FRANCE**

**John SALLAS of Plano, TX, USA**

hereby sell and assign to **CGG Services SA**, having an address at 27, Avenue Carnot, 91341 Massy Cedex, France, hereinafter referred to as "Company", its successors and assigns my/our entire respective rights, titles and interests in and to the invention and improvements invented and originated by me and described in the US Patent Application No. 14/168,207 for United States Patent currently entitled:

**VIBRATOR SOURCE ARRAY BEAM-FORMING AND METHOD**

filed on **January 30, 2014**

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Company, its successors, or assigns. Further, I/we agree to execute all divisional, continuation, reexamination and reissue applications, and to make all rightful oaths related to obtaining proper patent protection for said invention and its improvements in all countries.

The undersigned hereby grant(s) the law firm of Patent Portfolio Builders the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

INVENTOR 1

Signature: [Signature] Date: 01/23/2014  
Benoit TEYSSANDIER

Witnessed by: [Signature] Date: 01/23/2014  
Signature  
Thierry AMEIL  
Printed Name of Witness

Witnessed by: [Signature] Date: 01/23/2014  
Signature  
Olivier THOMAS  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

\_\_\_\_\_  
Benoit TEYSSANDIER Date: \_\_\_\_\_

STATE OF

ss.


COUNTY OF

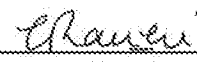
This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Benoit TEYSSANDIER**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal


\_\_\_\_\_  
(Notary Public)

INVENTOR 2

Signature:  Date: 17/1/2014  
Robert DOWLE

Witnessed by:  Date: 17/01/2014  
Signature

Catherine RANERI  
Printed Name of Witness

Witnessed by:  Date: 17-01-2014  
Signature

Florentina R. Santos  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

\_\_\_\_\_  
Robert DOWLE Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Robert DOWLE**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

INVENTOR 3

Signature: [Signature] Date: Jan 27<sup>th</sup>, 2014  
Dominique THOMAS

Witnessed by: [Signature] Date: 27 01/2014  
Signature  
Catherine RANERI  
Printed Name of Witness

Witnessed by: [Signature] Date: 27-01-2014  
Signature  
Florencia Dos Santos  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

\_\_\_\_\_  
Dominique THOMAS Date: \_\_\_\_\_

STATE OF \_\_\_\_\_

ss. \_\_\_\_\_

COUNTY OF \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Dominique THOMAS**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

INVENTOR 4

Signature: John J. Sallas  
John SALLAS

Date: 7 JANUARY 2014

Witnessed by: [Signature]  
Signature

Date: 7 Jan 2014

Florabina Del Souto  
Printed Name of Witness

Witnessed by: B. Hous  
Signature

Date: 7 Jan 2014

Bernadette Garce  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

\_\_\_\_\_  
John SALLAS

Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **John SALLAS**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)