

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3930767

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HABIB ALKHATIB	06/07/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CGG SERVICES SA
<b>Street Address:</b>	27, AVENUE CARNOT
<b>City:</b>	MASSY CEDEX
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	91341
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15171067
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	0336-551-2/100985
<b>NAME OF SUBMITTER:</b>	DEBORAH F. LANE
<b>SIGNATURE:</b>	/Deborah F. Lane/
<b>DATE SIGNED:</b>	06/22/2016
<b>Total Attachments: 2</b>	
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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,

**Habib ALKHATIB of Paris, FRANCE**

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. 15/171,067 for United States Patent currently entitled:

**QUICK 4D DETECTION SEISMIC SURVEY**

filed on June 2, 2016,

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.

Docket No. 0336-551-2/100985 "Assignment Signature Page"

TITLE: QUICK 4D DETECTION SEISMIC SURVEY

INVENTOR 1

Signature: *Habib Al-Khatib*  
Habib ALKHATIB

Date: 07/06/2016

Witnessed by: *[Signature]*  
Signature

Date: 07/06/2016

RICHARD DE FORCES - HENRI  
Printed Name of Witness

Witnessed by: *[Signature]*  
Signature

Date: 07/06/2016

FABRICE DEQUEKER  
Printed Name of Witness

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

\_\_\_\_\_  
Habib ALKHATIB

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

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Habib ALKHATIB**, 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)