

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																
<b>CONVEYING PARTY DATA</b>																	
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<b>CORRESPONDENCE DATA</b>																	
<p>Fax Number: (312)321-4299</p> <p>Phone: 312-321-4200</p> <p>Email: awennlund@usebrinks.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Li-Hua Weng</p> <p>Address Line 1: P.O. Box 10395</p> <p>Address Line 4: Chicago, ILLINOIS 60610</p>																	

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**PATENT**  
**REEL: 027200 FRAME: 0743**

ATTORNEY DOCKET NUMBER:	14601-3
NAME OF SUBMITTER:	Li-Hua Weng
<b>Total Attachments: 3</b> source=14601.003 Assignment#page1.tif source=14601.003 Assignment#page2.tif source=14601.003 Assignment#page3.tif	

**ASSIGNMENT**

WHEREAS, Yalin Li, Guangmin HU, Guangming HE, Jun WU, Dongshan HUANG, Qiubo WU, and Wanxue XIE, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled WELL CONSTRAINED HORIZONTAL VARIABLE H-V CURVE CONSTRUCTING METHOD FOR SEISMIC WAVE VELOCITY FIELD CONSTRUCTION, for a full description of which reference is here made to an application for Letters Patent of the United States filed on October 13, 2011, and assigned Application Serial No. 13/273,096;

WHEREAS, China National Petroleum Corporation, a corporation organized and existing under the laws of the Country of P.R. China, having a place of business at No. 9 Dongzhimen North Street, Dongcheng District, Beijing 100007, P.R. China, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents issuing therefrom in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its

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successors and assigns, to the full end of the term or terms for all such patents. The Assignors hereby sell, assign, and transfer the entire right, title and interest to the Assignee as of the day of filing the application identified above.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:	<u>Oct 24, 2011</u>	<u>李亚林</u> Yalin LI
DATED:	<u>Oct 24, 2011</u>	<u>胡光明</u> Guangmin HU
DATED:	<u>Oct 24, 2011</u>	<u>何光明</u> Guangming HE

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DATED: Oct 24, 2011

巫骏  
Jun WU

DATED: Oct 24, 2011

黄东山  
Dongshan HUANG

DATED: Oct 24, 2011

吴秋波  
Qiubo WU

DATED: Oct 24, 2011

谢子  
Wanxue XIE