502747149 03/31/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2793745

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LARRY JACOBSON	05/17/2013
WEIJUN GUO	05/17/2013

RECEIVING PARTY DATA

Name:	HALLIBURTON ENERGY SERVICES, INC.
Street Address:	10200 BELLAIRE BOULEVARD
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77072

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14342294

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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

US Mail.

 Phone:
 214-747-5070

 Email:
 apsi@fr.com

Correspondent Name: FISH & RICHARDSON P.C.

Address Line 1: P.O. BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	15834-0074US1
NAME OF SUBMITTER:	PEGGY C. GRAY
SIGNATURE:	/Peggy C. Gray/
DATE SIGNED:	03/31/2014

Total Attachments: 1

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PATENT 502747149 REEL: 032566 FRAME: 0818

ASSIGNMENT

For valuable consideration, we, Larry Jacobson, of Richmond, TX and Weijun Guo, of
Houston, TX, hereby assign to Halliburton Energy Services, Inc., a Delaware corporation having
a place of business at Houston, Texas, and its successors and assigns (collectively hereinafter
called "the Assignee"), the entire right, title and interest throughout the world in the inventions
and improvements which are subject of a PCT application entitled PULSED NEUTRON TOOL
FOR DOWNHOLE OIL TYPING, filed, and assigned PCT Serial
Number, this assignment including said application, any and all United
States and foreign applications and patents, utility models, and design registrations for any of
said inventions or improvements; and the right to claim priority based on the filing date of said
application under all treaties; and we hereby authorize the Assignee to apply in all countries in
our name or in its own name for patents, utility models, design registrations and like rights of
exclusion and for inventors' certificates for said inventions and improvements; and we agree for
ourselves and our respective heirs, legal representatives and assigns, without further
compensation to perform such lawful acts and to sign such further applications, assignments,
Preliminary Statements and other lawful documents as the Assignee may reasonably request to
effectuate fully this assignment.
Vary Jacobson DATE: 17 May 2013
Witness: DATE:
Witness: DATE:
DATE: 5-17-2013
Weijun Gus
Witness: DATE: 05-17-13
Witness: DATE: 07-12-13
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RECORDED: 03/31/2014

PATENT REEL: 032566 FRAME: 0819