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To the Honorable Comr	nissioner of Patents an	d Trademarks: F	Please record the aut	icned original d	ocuments or copy the	nereof.
1. Name of conveying party	v(ies):	3/09/01	2. Name and a		_ , , , ,	o I
KENN W. SA	ארד, ג	7-1-1			ron, Inc.	.s.
Additional name(s) of conveying p	arty(les) attached? 🗀 Ye	es U No	Internal Add	ress:		1040 U
3. Nature of conveyance:						D
Assignment			Street Address: 5605 GRAND AVE			
☐ Security Agreement	☐ Cha	ange of Name			<i>A</i> .	· entrance () in the contract of the contract
Other	, ,	And Andrews and Market annual and the second	City: 🛂	Buk6#	State: PA	ZIP: /5-2/6
Execution Date:	8/0/		Additional name	e(s) & address(es	s) attached? Li Yes L	J No
4. Application number(s) of	patent number(s):					
If this document is being	g filed together with a	ı new applicatio	n, the execution da	te of the appli	cation is: 3/8	101
A. Patent Application N	o.(s)		B. Patent N	lo.(s)	4803	50/
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5. Name and address of pa concerning document sh	-	ondence	6. Total numbe	r of application	s and patents invo	lved:
Name: WILLIAM L. KRAYER			7. Total fee (37 CFR 3.41)\$45000			
Internal Address:		, <u>, , , , , , , , , , , , , , , , , , </u>	Enclosed			
		and a Printer Made and and Advances of Printer 1	☐ Authoriz	ed to be charç	ged to deposit acc	ount
Street Address: 177	1 HELEN	DR	8. Deposit acc	ount number:		

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

WILLIAM L KRAYEK
Name of Person Signing

City: PITTSBURGH State: PA ZIP: 15216

Wining Z Kingy

3/9/01

(Attach duplicate copy of this page if paying by deposit account)

Total number of pages including cover sheet, attachments, and document:

ASSIGNMENT

WHEREAS, I, Kevin W. Smith, the undersigned officer and employee of Clearwater, Inc., a corporation of Pennsylvania having offices at 5605 Grand Avenue, Pittsburgh PA 15225, have made inventions or improvements entitled:

Treating Shale and Clay in Hydrocarbon Producing Formations with Combinations of Guar and Potassium Formate

and have this $\underline{\mathcal{B}}$ day of $\underline{\text{Morch}}$, 2001 executed an application for United States Letters Patent for said inventions or improvements;

NOW THEREFORE, and intending to be legally bound, I hereby assign and transfer unto said Clearwater, Inc. the entire right, title and interest in and to said application and inventions or improvements for the United States and all foreign countries, together with all divisions, continuations, continuations-in-part and reissues of said application, with the right to file applications for and to obtain patents and/or other protection for said inventions or improvements in all countries foreign to the United States and to claim for such foreign applications the benefit of the International Convention.

Executed this 8 day of Morch, 2001.

Kevin W. Smith

ACKNOWLEDGMENT

State of Renoylvania)
County of Alleghory	

RECORDED: 03/09/2001

Personally appeared before me this 8 day of 1000, 2001

<u>Kevin W. Smith</u>, to me known and known to me to be the person who executed the foregoing instrument and acknowledged that <u>he</u> executed and delivered the same for the purposes therein stated.

Jamette & Harlaine Notary Public

> Notarie Seaf Jeannette E. Garbi due, Notarie Public Neville Twp., Alegheny County My Commission Courtes Nov. 12, 2002

Member, Pennsylvania Association of Notaries

PATENT REEL: 011600 FRAME: 0218