

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																																						
NATURE OF CONVEYANCE:	ASSIGNMENT																																						
<b>CONVEYING PARTY DATA</b>																																							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr><td>Harold J. VINEGAR</td><td>09/08/2011</td></tr> <tr><td>Scott Lee WELLINGTON</td><td>09/08/2011</td></tr> <tr><td>Eric Pierre DE ROUFFIGNAC</td><td>10/05/2011</td></tr> <tr><td>John Michael KARANIKAS</td><td>08/24/2011</td></tr> <tr><td>Ilya Emil BERCHENKO</td><td>08/25/2011</td></tr> <tr><td>George Leo STEGEMEIER</td><td>08/24/2011</td></tr> <tr><td>Kevin Albert MAHER</td><td>10/18/2011</td></tr> <tr><td>Etuan ZHANG</td><td>10/04/2011</td></tr> <tr><td>Gordon Thomas SHAHIN</td><td>08/25/2011</td></tr> <tr><td>James Louis MENOTTI</td><td>01/18/2012</td></tr> <tr><td>John Matthew COLES</td><td>01/18/2011</td></tr> <tr><td>Thomas David FOLWER</td><td>08/24/2011</td></tr> <tr><td>Charles Robert KEEDY</td><td>10/05/2011</td></tr> <tr><td>Ajay Madhav MADGAVKAR</td><td>09/07/2011</td></tr> <tr><td>Robert Martijn VAN HARDEVELD</td><td>08/29/2011</td></tr> <tr><td>Robert Charles RYAN</td><td>08/25/2011</td></tr> <tr><td>Lanny Gene SCHOELING</td><td>09/27/2011</td></tr> <tr><td>Frederick Gordon CARL</td><td>03/25/2012</td></tr> </tbody> </table>		Name	Execution Date	Harold J. VINEGAR	09/08/2011	Scott Lee WELLINGTON	09/08/2011	Eric Pierre DE ROUFFIGNAC	10/05/2011	John Michael KARANIKAS	08/24/2011	Ilya Emil BERCHENKO	08/25/2011	George Leo STEGEMEIER	08/24/2011	Kevin Albert MAHER	10/18/2011	Etuan ZHANG	10/04/2011	Gordon Thomas SHAHIN	08/25/2011	James Louis MENOTTI	01/18/2012	John Matthew COLES	01/18/2011	Thomas David FOLWER	08/24/2011	Charles Robert KEEDY	10/05/2011	Ajay Madhav MADGAVKAR	09/07/2011	Robert Martijn VAN HARDEVELD	08/29/2011	Robert Charles RYAN	08/25/2011	Lanny Gene SCHOELING	09/27/2011	Frederick Gordon CARL	03/25/2012
Name	Execution Date																																						
Harold J. VINEGAR	09/08/2011																																						
Scott Lee WELLINGTON	09/08/2011																																						
Eric Pierre DE ROUFFIGNAC	10/05/2011																																						
John Michael KARANIKAS	08/24/2011																																						
Ilya Emil BERCHENKO	08/25/2011																																						
George Leo STEGEMEIER	08/24/2011																																						
Kevin Albert MAHER	10/18/2011																																						
Etuan ZHANG	10/04/2011																																						
Gordon Thomas SHAHIN	08/25/2011																																						
James Louis MENOTTI	01/18/2012																																						
John Matthew COLES	01/18/2011																																						
Thomas David FOLWER	08/24/2011																																						
Charles Robert KEEDY	10/05/2011																																						
Ajay Madhav MADGAVKAR	09/07/2011																																						
Robert Martijn VAN HARDEVELD	08/29/2011																																						
Robert Charles RYAN	08/25/2011																																						
Lanny Gene SCHOELING	09/27/2011																																						
Frederick Gordon CARL	03/25/2012																																						
<b>RECEIVING PARTY DATA</b>																																							
Name:	SHELL OIL COMPANY																																						
Street Address:	P.O. BOX 2463																																						
Internal Address:	ONE SHELL PLAZA																																						
City:	Houston																																						
State/Country:	TEXAS																																						
Postal Code:	772522463																																						
<b>PROPERTY NUMBERS Total: 1</b>																																							
Property Type	Number																																						

PATENT

501870541

REEL: 027952 FRAME: 0101

CH \$40.00 7798221

Patent Number:

7798221

**CORRESPONDENCE DATA**

Fax Number: (713)241-6617

Phone: 7132413997

Email: cathy.callen@shell.com

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

Correspondent Name: SHELL OIL COMPANY

Address Line 1: P.O. BOX 2463

Address Line 2: ONE SHELL PLAZA

Address Line 4: Houston, TEXAS 772522463

ATTORNEY DOCKET NUMBER:

TH1962-02USAP

NAME OF SUBMITTER:

Del S. Christensen

**Total Attachments: 17**

source=TH1962-02-Assignment#page1.tif  
source=TH1962-02-Assignment#page2.tif  
source=TH1962-02-Assignment#page3.tif  
source=TH1962-02-Assignment#page4.tif  
source=TH1962-02-Assignment#page5.tif  
source=TH1962-02-Assignment#page6.tif  
source=TH1962-02-Assignment#page7.tif  
source=TH1962-02-Assignment#page8.tif  
source=TH1962-02-Assignment#page9.tif  
source=TH1962-02-Assignment#page10.tif  
source=TH1962-02-Assignment#page11.tif  
source=TH1962-02-Assignment#page12.tif  
source=TH1962-02-Assignment#page13.tif  
source=TH1962-02-Assignment#page14.tif  
source=TH1962-02-Assignment#page15.tif  
source=TH1962-02-Assignment#page16.tif  
source=TH1962-02-Assignment#page17.tif

ASSIGNMENT

WHEREAS, we, Harold J. Vinegar, Scott Lee Wellington, Eric Pierre de Rouffignac, John Michael Karanikas, Ilya Emil Berchenko, George Leo Stegemeyer, Kevin Albert Maher, Etuan Zhang, Gordon Thomas Shahin, James Louis Menotti, John Matthew Coles, Thomas David Fowler, Charles Robert Keedy, Ajay Madhav Madgavkar, Robert Martijn Van Hardeveld, Robert Charles Ryan, Lanny Gene Schoeling and Frederick Gordon Carl, have made a certain improvement in IN SITU RECOVERY FROM A HYDROCARBON CONTAINING FORMATION for which a United States Patent application was filed and assigned serial no. 11/809,723 and has since been granted and assigned Patent No. 7,798,221 thereon, and identified as TH1962 02(US), have been executed by us, and,

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of SHELL OIL COMPANY or whomsoever that company may nominate, and to claim the priority of the above-named United States application under the International Convention of Paris of 1883.

With respect to any country where for the filing of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, we will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company may nominate.

And we hereby agree that we will upon request execute any instrument which SHELL OIL COMPANY desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to SHELL OIL COMPANY.

IN TESTIMONY WHEREOF, we have hereunto subscribed our names.

Harold J. Vinegar  
HAROLD J. VINEGAR  
9/3/2011  
Date

\_\_\_\_\_  
SCOTT LEE WELLINGTON  
\_\_\_\_\_  
Date

Witnesses:  
Eric Pierre de Rouffignac  
(Witness)  
John Michael Karanikas  
(Witness)

\_\_\_\_\_  
(Witness)  
\_\_\_\_\_  
(Witness)

ASSIGNMENT

WHEREAS, we, Harold J. Vinegar, Scott Lee Wellington, Eric Pierre de Rouffignac, John Michael Karanikas, Ilya Emil Berchenko, George Leo Stegemeier, Kevin Albert Maher, Etuan Zhang, Gordon Thomas Shahin, James Louis Menotti, John Matthew Coles, Thomas David Fowler, Charles Robert Keedy, Ajay Madhav Madgavkar, Robert Martijn Van Hardeveld, Robert Charles Ryan, Lanny Gene Schoeling and Frederick Gordon Carl, have made a certain improvement in IN SITU RECOVERY FROM A HYDROCARBON CONTAINING FORMATION for which a United States Patent application was filed and assigned serial no. 11/809,723 and has since been granted and assigned Patent No. 7,798,221 thereon, and identified as TH1962 02(US), have been executed by us, and,

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of SHELL OIL COMPANY or whomsoever that company may nominate, and to claim the priority of the above-named United States application under the International Convention of Paris of 1883.

With respect to any country where for the filing of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, we will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company may nominate.

And we hereby agree that we will upon request execute any instrument which SHELL OIL COMPANY desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to SHELL OIL COMPANY.

IN TESTIMONY WHEREOF, we have hereunto subscribed our names.

\_\_\_\_\_  
HAROLD J. VINEGAR

\_\_\_\_\_  
Date

\_\_\_\_\_  
SCOTT LEE WELLINGTON

*Scott Lee Wellington*

9-8-11

Witnesses:

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Witness)

*Linda Peak*

\_\_\_\_\_  
(Witness)

*Linda Peak*

*Stone by Name Mill*  
**PATENT**

*Eric P. Rouffignac*  
ERIC PIERRE DE ROUFFIGNAC

*10/05/2011*  
Date

*Handwritten signature*  
(Witness)

(Witness)

JOHN MICHAEL KARANIKAS

(Witness)

Date

(Witness)

I IYA EMIL BERCHENKO

(Witness)

Date

(Witness)

GEORGE LEO STEGEMEIER

(Witness)

Date

(Witness)

KEVIN ALBERT MAHER

(Witness)

Date

(Witness)

ETUAN ZHANG

(Witness)

Date

(Witness)

GORDON THOMAS SHAHIN

(Witness)

Date

(Witness)

JAMES LOUIS MENOTTI

(Witness)

Date

(Witness)

ERIC PIERRE DE ROUFFIGNAC

(Witness)

Date

(Witness)

*John Michael Karanikas*

*Richard A. Madood*

JOHN MICHAEL KARANIKAS

(Witness)

*August 24<sup>th</sup>, 2011*

*Gary T. Ross*

Date

(Witness)

I IYA EMIL BERCHENKO

(Witness)

Date

(Witness)

GEORGE LEO STEGEMEIER

(Witness)

Date

(Witness)

KEVIN ALBERT MAHER

(Witness)

Date

(Witness)

ETUAN ZHANG

(Witness)

Date

(Witness)

GORDON THOMAS SHAHIN

(Witness)

Date

(Witness)

JAMES LOUIS MENOTTI

(Witness)

Date

(Witness)

ERIC PIERRE DE ROUFFIGNAC

(Witness)

Date

(Witness)

JOHN MICHAEL KARANIKAS

(Witness)

Date

(Witness)

I IYA EMIL BERCHENKO

(Witness)

Date

(Witness)

*[Handwritten signature]*

08/25/2011

*[Handwritten signature]*  
L.M. van Lierop

*[Handwritten signature]*  
L.M. van Lierop

GEORGE LEO STEGEMEIER

(Witness)

Date

(Witness)

KEVIN ALBERT MAHER

(Witness)

Date

(Witness)

ETUAN ZHANG

(Witness)

Date

(Witness)

GORDON THOMAS SHAHIN

(Witness)

Date

(Witness)

JAMES LOUIS MENOTTI

(Witness)

Date

(Witness)

ERIC PIERRE DE ROUFFIGNAC

(Witness)

Date

(Witness)

JOHN MICHAEL KARANIKAS

(Witness)

Date

(Witness)

IYYA EMIL BERCHENKO

(Witness)

Date

(Witness)

*George L Stegemeier*  
GEORGE LEO STEGEMEIER  
*August 24, 2011*

*A. Valuh Bupin*  
(Witness)  
*Paul [Signature]*  
(Witness)

KEVIN ALBERT MAHER

(Witness)

Date

(Witness)

ETUAN ZHANG

(Witness)

Date

(Witness)

GORDON THOMAS SHAHIN

(Witness)

Date

(Witness)

JAMES LOUIS MENOTTI

(Witness)

Date

(Witness)



ERIC PIERRE DE ROUFFIGNAC

(Witness)

Date

(Witness)

JOHN MICHAEL KARANIKAS

(Witness)

Date

(Witness)

I IYA EMIL BERCHENKO

(Witness)

Date

(Witness)

GEORGE LEO STEGEMEIER

(Witness)

Date

(Witness)

*Kevin Albert Maher*  
KEVIN ALBERT MAHER

*Rob: Stewart*  
(Witness)

18- Oct - 2011  
Date

*[Signature]*  
(Witness)

ETUAN ZHANG

(Witness)

Date

(Witness)

GORDON THOMAS SHAHIN

(Witness)

Date

(Witness)

JAMES LOUIS MENOTTI

(Witness)

Date

(Witness)

ERIC PIERRE DE ROUFFIGNAC

(Witness)

Date

(Witness)

JOHN MICHAEL KARANIKAS

(Witness)

Date

(Witness)

IYA EMIL BERCHENKO

(Witness)

Date

(Witness)

GEORGE LEO STEGEMEIER

(Witness)

Date

(Witness)

KEVIN ALBERT MAHER

(Witness)

Date

(Witness)

ETUAN ZHANG

(Witness)

Date

(Witness)

GORDON THOMAS SHAHIN

(Witness)

Date

(Witness)

JAMES LOUIS MENOTTI

(Witness)

Date

(Witness)

ERIC PIERRE DE ROUFFIGNAC

(Witness)

Date

(Witness)

JOHN MICHAEL KARANIKAS

(Witness)

Date

(Witness)

IYYA EMIL BERCHENKO

(Witness)

Date

(Witness)

GEORGE LEO STEGEMEIER

(Witness)

Date

(Witness)

KEVIN ALBERT MAHER

(Witness)

Date

(Witness)

ETUAN ZHANG

(Witness)

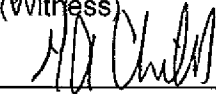
Date

(Witness)

  
GORDON THOMAS SHAHIN

(Witness)

8-25-11



Date

(Witness)

JAMES LOUIS MENOTTI

(Witness)

Date

(Witness)

ERIC PIERRE DE ROUFFIGNAC

(Witness)

Date

(Witness)

JOHN MICHAEL KARANIKAS

(Witness)

Date

(Witness)

IYYA EMIL BERCHENKO

(Witness)

Date

(Witness)

GEORGE LEO STEGEMEIER

(Witness)

Date

(Witness)

KEVIN ALBERT MAHER

(Witness)

Date

(Witness)

ETUAN ZHANG

(Witness)

Date

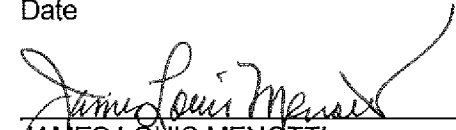
(Witness)

GORDON THOMAS SHAHIN

(Witness)

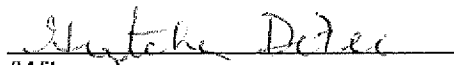

Date

(Witness)

  
JAMES LOUIS MENOTTI

Date

1-18-12

  
(Witness)  
  
(Witness)

John Matthew Coles  
JOHN MATTHEW COLES  
1/18/11  
Date

James R. B. Jones  
(Witness)  
Collette Charles  
(Witness)

\_\_\_\_\_  
THOMAS DAVID FOWLER

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
CHARLES ROBERT KEEDY

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
AJAY MADHAV MADGAVKAR

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
ROBERT MARTIJN VAN HARDEVELD

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
ROBERT CHARLES RYAN

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
LANNY GENE SCHOELING

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
FREDERICK GORDON CARL

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
JOHN MATTHEW COLES

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

*Thomas David Fowler*

\_\_\_\_\_  
THOMAS DAVID FOWLER

*8/24/2011*

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

*Richard A. Mauleod*

\_\_\_\_\_  
(Witness)

*Gary T. Ross*

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
CHARLES ROBERT KEEDY

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
AJAY MADHAV MADGAVKAR

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
ROBERT MARTIJN VAN HARDEVELD

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
ROBERT CHARLES RYAN

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
LANNY GENE SCHOELING

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
FREDERICK GORDON CARL

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
JOHN MATTHEW COLES

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
THOMAS DAVID FOWLER

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

*Charles Robert Keedy*  
\_\_\_\_\_  
CHARLES ROBERT KEEDY

*Robert C. Ryan*  
\_\_\_\_\_  
(Witness)

*10/5/11*  
\_\_\_\_\_  
Date

*Dolly J. McKinzy*  
\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
AJAY MADHAV MADGAVKAR

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
ROBERT MARTIJN VAN HARDEVELD

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
ROBERT CHARLES RYAN

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
LANNY GENE SCHOELING

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
FREDERICK GORDON CARL

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

JOHN MATTHEW COLES

(Witness)

Date

(Witness)

THOMAS DAVID FOWLER

(Witness)

Date

(Witness)

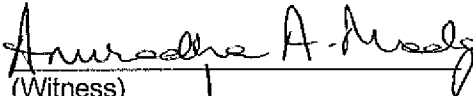
CHARLES ROBERT KEEDY

(Witness)

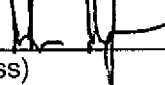
Date

(Witness)

  
AJAY MADHAV MADGAVKAR

  
(Witness)

7<sup>th</sup> September, 2011  
Date

  
(Witness)

ROBERT MARTIJN VAN HARDEVELD

(Witness)

Date

(Witness)

ROBERT CHARLES RYAN

(Witness)

Date

(Witness)

LANNY GENE SCHOELING

(Witness)

Date

(Witness)

FREDERICK GORDON CARL

(Witness)

Date

(Witness)



JOHN MATTHEW COLES

(Witness)

Date

(Witness)

THOMAS DAVID FOWLER

(Witness)

Date

(Witness)

CHARLES ROBERT KEEDY

(Witness)

Date

(Witness)

AJAY MADHAV MADGAVKAR

(Witness)

Date

(Witness)

ROBERT MARTIJN VAN HARDEVELD

(Witness)

*Robert Martijn van Hardeveld*  
Date 29/08/2011

(Witness)

*A. Hoek*

*J. Sijtsma*

J. SIJTSMA

ROBERT CHARLES RYAN

(Witness)

Date

(Witness)

LANNY GENE SCHOELING

(Witness)

Date

(Witness)

FREDERICK GORDON CARL

(Witness)

Date

(Witness)

JOHN MATTHEW COLES

(Witness)

Date

(Witness)

THOMAS DAVID FOWLER

(Witness)

Date

(Witness)

CHARLES ROBERT KEEDY

(Witness)

Date

(Witness)

AJAY MADHAV MADGAVKAR

(Witness)

Date

(Witness)

ROBERT MARTIJN VAN HARDEVELD

(Witness)

Date

(Witness)

*Robert Charles Ryan*  
ROBERT CHARLES RYAN

*Matthew Ryan*  
(Witness)

*Aug 25, 2011*  
Date

*Kathleen H. Ryan*  
(Witness)

*Lanny Gene Schoeling*  
LANNY GENE SCHOELING

*Cathy Callen*  
(Witness)

*27 Sept 2011*  
Date

*[Signature]*  
(Witness)

FREDERICK GORDON CARL

(Witness)

Date

(Witness)

JOHN MATTHEW COLES

(Witness)

Date

(Witness)

THOMAS DAVID FOWLER

(Witness)

Date

(Witness)

CHARLES ROBERT KEEDY

(Witness)

Date

(Witness)

AJAY MADHAV MADGAVKAR

(Witness)

Date

(Witness)

ROBERT MARTIJN VAN HARDEVELD

(Witness)

Date

(Witness)

ROBERT CHARLES RYAN

(Witness)

Date

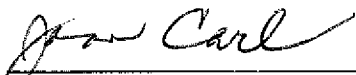
(Witness)

LANNY GENE SCHOELING

(Witness)

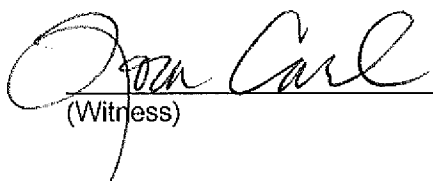
Date

(Witness)

  
FREDERICK GORDON CARL (Deceased)  
JOAN CARL (sole heir) on behalf of  
Frederick Gordon Carl

  
(Witness)

March 25, 2012  
Date

  
(Witness)