

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT																
NATURE OF CONVEYANCE:	Corrective Assignment to correct the To add Inventor, Gabe MANESCU previously recorded on Reel 022532 Frame 0305. Assignor(s) hereby confirms the Assignment.																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Nils KAAGESON-LOE</td><td>03/10/2009</td></tr><tr><td>Trond DAATLAND</td><td>03/03/2009</td></tr><tr><td>Oystein RANDEBERG</td><td>02/27/2009</td></tr><tr><td>Arne ASKO</td><td>03/03/2009</td></tr><tr><td>Frederick B. GROWCOCK</td><td>02/25/2009</td></tr><tr><td>Mark W. SANDERS</td><td>02/26/2009</td></tr><tr><td>Gabe MANESCU</td><td>03/09/2009</td></tr></tbody></table>		Name	Execution Date	Nils KAAGESON-LOE	03/10/2009	Trond DAATLAND	03/03/2009	Oystein RANDEBERG	02/27/2009	Arne ASKO	03/03/2009	Frederick B. GROWCOCK	02/25/2009	Mark W. SANDERS	02/26/2009	Gabe MANESCU	03/09/2009
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RECEIVING PARTY DATA																	
<table border="1"><tr><td>Name:</td><td>M-I L.L.C.</td></tr><tr><td>Street Address:</td><td>5950 North Course Drive</td></tr><tr><td>City:</td><td>Houston</td></tr><tr><td>State/Country:</td><td>TEXAS</td></tr><tr><td>Postal Code:</td><td>77072</td></tr></table>		Name:	M-I L.L.C.	Street Address:	5950 North Course Drive	City:	Houston	State/Country:	TEXAS	Postal Code:	77072						
Name:	M-I L.L.C.																
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PROPERTY NUMBERS Total: 1																	
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12363493</td></tr></tbody></table>		Property Type	Number	Application Number:	12363493												
Property Type	Number																
Application Number:	12363493																
CORRESPONDENCE DATA																	
Fax Number: (713)228-8778 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone: 713-228-8600																	
Email: risinger@oshaliang.com																	
Correspondent Name: OSHA LIANG LLP																	
Address Line 1: 909 Fannin																	
Address Line 2: Suite 3500																	
Address Line 4: Houston, TEXAS 77010																	

OP \$40.00 12363493

500876659

PATENT  
REEL: 022777 FRAME: 0016

ATTORNEY DOCKET NUMBER:	05542/246002
NAME OF SUBMITTER:	Jeffrey S. Bergman
<p>Total Attachments: 12</p> <p>source=05542_246002_ASSIGN_2#page1.tif</p> <p>source=05542_246002_ASSIGN_2#page2.tif</p> <p>source=05542_246002_ASSIGN_2#page3.tif</p> <p>source=05542_246002_ASSIGN_2#page4.tif</p> <p>source=05542_246002_ASSIGN_2#page5.tif</p> <p>source=05542_246002_ASSIGN_2#page6.tif</p> <p>source=05542_246002_ASSIGN_2#page7.tif</p> <p>source=05542_246002_ASSIGN_2#page8.tif</p> <p>source=05542_246002_ASSIGN_2#page9.tif</p> <p>source=05542_246002_ASSIGN_2#page10.tif</p> <p>source=05542_246002_Patent_Assignment#page1.tif</p> <p>source=05542_246002_Patent_Assignment#page2.tif</p>	

## ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

M-I L.L.C.

having the following address:

5950 North Course Drive  
Houston, Texas 77072

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

### METHODS OF DETECTING, PREVENTING, AND REMEDIATING LOST CIRCULATION

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

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**OSHALIANG**

Intellectual Property Law

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

10.03.09  
Date

1<sup>st</sup> Inventor Signature: [Signature]  
Print or Type Name: Nils Kaageson-Loe

23.03.09.  
Date

2<sup>nd</sup> Inventor Signature: [Signature]  
Print or Type Name: Trond Daatland

\_\_\_\_\_  
Date

3<sup>rd</sup> Inventor Signature: \_\_\_\_\_  
Print or Type Name: Oystein Randeberg

03.03.09  
Date

4<sup>th</sup> Inventor Signature: [Signature]  
Print or Type Name: Arne Asko

\_\_\_\_\_  
Date

5<sup>th</sup> Inventor Signature: \_\_\_\_\_  
Print or Type Name: Frederick B. Growcock

\_\_\_\_\_  
Date

6<sup>th</sup> Inventor Signature: \_\_\_\_\_  
Print or Type Name: Mark W. Sanders

\_\_\_\_\_  
Date

7<sup>th</sup> Inventor Signature: \_\_\_\_\_  
Print or Type Name: Gabe Manescu

NOTARY PUBLIC

State of \_\_\_\_\_  
County of \_\_\_\_\_

Before me personally appeared:	<u>Nils Kaageson-Loe</u>	<u>Trond Daatland</u>
	1 <sup>st</sup> Inventor	2 <sup>nd</sup> Inventor
	<u>Oystein Randeberg</u>	<u>Arne Asko</u>
	3 <sup>rd</sup> Inventor	4 <sup>th</sup> Inventor
	<u>Frederick B. Growcock</u>	<u>Gabe Manescu</u>
	5 <sup>th</sup> Inventor	6 <sup>th</sup> Inventor
	<u>Mark W. Sanders</u>	
	7 <sup>th</sup> Inventor	8 <sup>th</sup> Inventor

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: \_\_\_\_\_  
Notary Public My commission expires: \_\_\_\_\_

WITNESSES

03.03.09  
Date

Signature of Witness: [Signature]  
Print or Type Name: GUNNAR THOMSEN

10.03.09  
Date

Signature of Witness: [Signature]  
Print or Type Name: GERA MARIT SANDBERG

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.:  
Filing Date:

12/363,493  
January 30, 2009

OSHALIANG

Intellectual Property Law

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_____	1 <sup>st</sup> Inventor Signature: _____
Date	Print or Type Name: Nils Kaageson-Loe
_____	2 <sup>nd</sup> Inventor Signature: _____
Date	Print or Type Name: Trond Daatland
02/27/09	3 <sup>rd</sup> Inventor Signature: 
Date	Print or Type Name: Oystein Randeberg
_____	4 <sup>th</sup> Inventor Signature: _____
Date	Print or Type Name: Arne Asko
_____	5 <sup>th</sup> Inventor Signature: _____
Date	Print or Type Name: Frederick B. Growcock
_____	6 <sup>th</sup> Inventor Signature: _____
Date	Print or Type Name: Mark W. Sanders
_____	7 <sup>th</sup> Inventor Signature: _____
Date	Print or Type Name: Gabe Manescu

NOTARY PUBLIC

State of \_\_\_\_\_  
County of \_\_\_\_\_

Before me personally appeared:

Nils Kaageson-Loe

1<sup>st</sup> Inventor

Trond Daatland

2<sup>nd</sup> Inventor

Oystein Randeberg

3<sup>rd</sup> Inventor

Arne Asko

4<sup>th</sup> Inventor

Frederick B. Growcock

5<sup>th</sup> Inventor

Gabe Manescu

6<sup>th</sup> Inventor

Mark W. Sanders

7<sup>th</sup> Inventor

8<sup>th</sup> Inventor

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Dated: \_\_\_\_\_

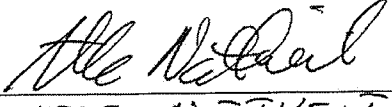
Notary Public

My commission expires: \_\_\_\_\_

WITNESSES

27/2-09

Date

Signature of Witness: 

Print or Type Name: ATLE WOTTNVEIT

Signature of Witness: \_\_\_\_\_

Date

Print or Type Name: \_\_\_\_\_

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.:

12/363,493

Filing Date:

January 30, 2009

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Date	Print or Type Name: Oystein Randeberg
_____	4 <sup>th</sup> Inventor Signature: _____
Date	Print or Type Name: Arne Asko
Feb 25, 2009	5 <sup>th</sup> Inventor Signature: <u>Frederick B. Growcock</u>
Date	Print or Type Name: Frederick B. Growcock
_____	6 <sup>th</sup> Inventor Signature: _____
Date	Print or Type Name: Mark W. Sanders

NOTARY PUBLIC

State of Texas  
County of Harris

Before me personally appeared: Nils Kaageson-Loe 1<sup>st</sup> Inventor  
Trond Daatland 2<sup>nd</sup> Inventor  
Oystein Randeberg 3<sup>rd</sup> Inventor  
Arne Asko 4<sup>th</sup> Inventor  
Frederick B. Growcock 5<sup>th</sup> Inventor  
Gabe Mancosu 6<sup>th</sup> Inventor  
Mark W. Sanders 7<sup>th</sup> Inventor

JULIE E. KURKA  
Notary Public, State of Texas  
My Commission Expires  
May 08, 2011

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: Feb. 25, 2009 Julie E. Kurka  
Notary Public My commission expires: May 8, 2011

WITNESSES

Signature of Witness: \_\_\_\_\_  
Date \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

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Date	Print or Type Name: Frederick B. Growcock
26 FEB 2009	6 <sup>th</sup> Inventor Signature: _____
Date	Print or Type Name: Mark W. Sanders

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State of Texas  
County of Harris

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Dated: Feb. 26, 2009 Julie E. Kurka  
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Date	Print or Type Name: Frederick B. Growcock
_____	6 <sup>th</sup> Inventor Signature: _____
Date	Print or Type Name: Mark W. Sanders
Mar. 9, 2009 <i>[Signature]</i>	7 <sup>th</sup> Inventor Signature: <i>[Signature]</i>
Date	Print or Type Name: Gabe Manescu

NOTARY PUBLIC

State of \_\_\_\_\_  
County of \_\_\_\_\_

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OSHALIANG

Intellectual Property Law

D:OSHA LIANG, LLP COMPANY:909 FANNIN

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Electronic Version v1.1  
Stylesheet Version v1.1

04/10/2009  
500831997

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Nils KAAGESON-LOE</td><td>03/10/2009</td></tr><tr><td>Trond DAATLAND</td><td>03/03/2009</td></tr><tr><td>Oystein RANDEBERG</td><td>02/27/2009</td></tr><tr><td>Arne ASKO</td><td>03/03/2009</td></tr><tr><td>Frederick B. GROWCOCK</td><td>02/25/2009</td></tr><tr><td>Mark W. SANDERS</td><td>02/26/2009</td></tr></tbody></table>	Name	Execution Date	Nils KAAGESON-LOE	03/10/2009	Trond DAATLAND	03/03/2009	Oystein RANDEBERG	02/27/2009	Arne ASKO	03/03/2009	Frederick B. GROWCOCK	02/25/2009	Mark W. SANDERS	02/26/2009	
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RECEIVING PARTY DATA															
Name:	M-I L.L.C.														
Street Address:	5950 North Course Drive														
City:	Houston														
State/Country:	TEXAS														
Postal Code:	77072														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12363493</td></tr></tbody></table>	Property Type	Number	Application Number:	12363493											
Property Type	Number														
Application Number:	12363493														
CORRESPONDENCE DATA															
Fax Number:	(713)228-8778														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	(713) 228-8600														
Email:	risinger@oshaliang.com														
Correspondent Name:	OSHA LIANG, LLP														
Address Line 1:	909 Fannin														
Address Line 2:	Suite 3500														
Address Line 4:	Houston, TEXAS 77010														
ATTORNEY DOCKET NUMBER:	05542/246002														

OP \$40.00 12363493

D: OSHA LIANG, LLP COMPANY: 909 FANNIN

NAME OF SUBMITTER:

Jeffrey S. Bergman

**Total Attachments: 10**

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**PATENT****RECORDED: 06/03/2009****REEL: 022777 FRAME: 0029**