

**PATENT ASSIGNMENT**

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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>Gurcan Aral</td> <td>05/05/2011</td> </tr> <tr> <td>Gregory C Best</td> <td>05/17/2011</td> </tr> <tr> <td>Michael F Cash</td> <td>05/06/2011</td> </tr> <tr> <td>Arthur F Lange</td> <td>05/06/2011</td> </tr> <tr> <td>Morrison Ulman</td> <td>05/05/2011</td> </tr> <tr> <td>Eric A Wuestefeld</td> <td>05/05/2011</td> </tr> </tbody> </table>		Name	Execution Date	Gurcan Aral	05/05/2011	Gregory C Best	05/17/2011	Michael F Cash	05/06/2011	Arthur F Lange	05/06/2011	Morrison Ulman	05/05/2011	Eric A Wuestefeld	05/05/2011
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Arthur F Lange	05/06/2011														
Morrison Ulman	05/05/2011														
Eric A Wuestefeld	05/05/2011														
<b>RECEIVING PARTY DATA</b>															
Name:	Trimble Navigation Limited														
Street Address:	IP Department														
Internal Address:	935 Stewart Drive														
City:	Sunnyvale														
State/Country:	CALIFORNIA														
Postal Code:	94085														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13023411</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13023411										
Property Type	Number														
Application Number:	13023411														
<b>CORRESPONDENCE DATA</b>															
Fax Number:	(000)000-0000														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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Email:	ulman@nupat.com														
Correspondent Name:	Morrison Ulman														
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Address Line 2:	PO Box 1811														
Address Line 4:	Mountain View, CALIFORNIA 94042-1811														
ATTORNEY DOCKET NUMBER:	A2737														

OP \$40.00 13023411

**501536103**

**PATENT**  
**REEL: 026303 FRAME: 0171**

NAME OF SUBMITTER:

Morrison Ulman

Total Attachments: 6

source=sassnAral#page1.tif

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source=sassnWuestefeld#page1.tif

ASSIGNMENT

WHEREAS, I, Gurcan Aral ("Assignor"), a citizen of the United States of America, residing in Cupertino, CA, have invented certain new and useful inventions entitled "Dry Agricultural Materials Management" for which application number 13/023,411 for a United States Patent was filed on February 8, 2011; and

WHEREAS, Trimble Navigation Limited, ("Assignee"), a corporation duly organized under the laws of the State of California, and having its offices and place of business at Sunnyvale, CA, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Patents therefor granted in the United States of America, and in any and all countries foreign thereto;

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by the said Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Patents granted therefor, and all divisions, reissues, continuations, and extensions thereof, and in and to all copyrights, trademarks, with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Director of the United States Patent and Trademark Office, and any official whose duty it is to issue patents, to issue all Patents on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent that I have the full right to agree to, execute, and deliver this assignment. I agree that I will without further consideration, but at the expense of the Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all divisional, reissue, and continuation applications, testify in legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this

5<sup>th</sup> day of May 2011.

  
Gurcan Aral

ASSIGNMENT

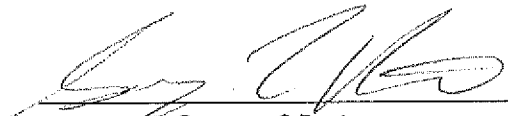
WHEREAS, I, Gregory C Best ("Assignor"), a citizen of the United States of America, residing in San Francisco, CA, have invented certain new and useful inventions entitled "Dry Agricultural Materials Management" for which application number 13/023,411 for a United States Patent was filed on February 8, 2011; and

WHEREAS, Trimble Navigation Limited, ("Assignee"), a corporation duly organized under the laws of the State of California, and having its offices and place of business at Sunnyvale, CA, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Patents therefor granted in the United States of America, and in any and all countries foreign thereto;

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by the said Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Patents granted therefor, and all divisions, reissues, continuations, and extensions thereof, and in and to all copyrights, trademarks, with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Director of the United States Patent and Trademark Office, and any official whose duty it is to issue patents, to issue all Patents on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent that I have the full right to agree to, execute, and deliver this assignment. I agree that I will without further consideration, but at the expense of the Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all divisional, reissue, and continuation applications, testify in legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this

17 day of May 2011.

  
\_\_\_\_\_  
Gregory C Best

ASSIGNMENT

WHEREAS, I, Michael F Cash ("Assignor"), a citizen of the United States of America, residing in Mountain View, CA, have invented certain new and useful inventions entitled "Dry Agricultural Materials Management" for which application number 13/023,411 for a United States Patent was filed on February 8, 2011; and

WHEREAS, Trimble Navigation Limited, ("Assignee"), a corporation duly organized under the laws of the State of California, and having its offices and place of business at Sunnyvale, CA, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Patents therefor granted in the United States of America, and in any and all countries foreign thereto;

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by the said Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Patents granted therefor, and all divisions, reissues, continuations, and extensions thereof, and in and to all copyrights, trademarks, with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Director of the United States Patent and Trademark Office, and any official whose duty it is to issue patents, to issue all Patents on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent that I have the full right to agree to, execute, and deliver this assignment. I agree that I will without further consideration, but at the expense of the Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all divisional, reissue, and continuation applications, testify in legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this

6<sup>th</sup> day of May 2011.



Michael F Cash

ASSIGNMENT

WHEREAS, I, Arthur F Lange ("Assignor"), a citizen of the United States of America, residing in Sunnyvale, CA, have invented certain new and useful inventions entitled "Dry Agricultural Materials Management" for which application number 13/023,411 for a United States Patent was filed on February 8, 2011; and

WHEREAS, Trimble Navigation Limited, ("Assignee"), a corporation duly organized under the laws of the State of California, and having its offices and place of business at Sunnyvale, CA, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Patents therefor granted in the United States of America, and in any and all countries foreign thereto;

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by the said Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Patents granted therefor, and all divisions, reissues, continuations, and extensions thereof, and in and to all copyrights, trademarks, with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Director of the United States Patent and Trademark Office, and any official whose duty it is to issue patents, to issue all Patents on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent that I have the full right to agree to, execute, and deliver this assignment. I agree that I will without further consideration, but at the expense of the Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all divisional, reissue, and continuation applications, testify in legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this

6 day of MAY 2011.

  
Arthur F Lange

ASSIGNMENT

WHEREAS, I, Morrison Ulman ("Assignor"), a citizen of the United States of America, residing in Mountain View, CA, have invented certain new and useful inventions entitled "Dry Agricultural Materials Management" for which application number 13/023,411 for a United States Patent was filed on February 8, 2011; and

WHEREAS, Trimble Navigation Limited, ("Assignee"), a corporation duly organized under the laws of the State of California, and having its offices and place of business at Sunnyvale, CA, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Patents therefor granted in the United States of America, and in any and all countries foreign thereto;

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by the said Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Patents granted therefor, and all divisions, reissues, continuations, and extensions thereof, and in and to all copyrights, trademarks, with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Director of the United States Patent and Trademark Office, and any official whose duty it is to issue patents, to issue all Patents on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent that I have the full right to agree to, execute, and deliver this assignment. I agree that I will without further consideration, but at the expense of the Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all divisional, reissue, and continuation applications, testify in legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this

5 day of May 2011.

  
Morrison Ulman

ASSIGNMENT


WHEREAS, I, Eric A Wuestefeld ("Assignor"), a citizen of the United States of America, residing in Westminster, CO, have invented certain new and useful inventions entitled "Dry Agricultural Materials Management" for which application number 13/023,411 for a United States Patent was filed on February 8, 2011; and

WHEREAS, Trimble Navigation Limited, ("Assignee"), a corporation duly organized under the laws of the State of California, and having its offices and place of business at Sunnyvale, CA, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Patents therefor granted in the United States of America, and in any and all countries foreign thereto;

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IN WITNESS WHEREOF, I have hereunto set my hand and seal this

5<sup>th</sup> day of May 2011.

  
Eric A Wuestefeld