

PATENT ASSIGNMENT

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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>Steven N. Karels</td> <td>08/07/2013</td> </tr> <tr> <td>Joseph S. Kosofsky</td> <td>08/28/2013</td> </tr> <tr> <td>Omer Mian</td> <td>08/08/2013</td> </tr> <tr> <td>Ronald S. Warren</td> <td>08/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	Steven N. Karels	08/07/2013	Joseph S. Kosofsky	08/28/2013	Omer Mian	08/08/2013	Ronald S. Warren	08/07/2013
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Steven N. Karels	08/07/2013										
Joseph S. Kosofsky	08/28/2013										
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Ronald S. Warren	08/07/2013										
RECEIVING PARTY DATA											
Name:	TRIMBLE NAVIGATION LIMITED										
Street Address:	935 Stewart Drive										
City:	Sunnyvale										
State/Country:	CALIFORNIA										
Postal Code:	94085										
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>13961311</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13961311						
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CORRESPONDENCE DATA											
Fax Number:	2123910525										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	7284-85148										
NAME OF SUBMITTER:	Robert T. Maldonado										
Signature:	/Robert T. Maldonado/										

PATENT

Date:

09/10/2013

Total Attachments: 3

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ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the undersigned,

Hereby sell, assign and transfer to TRIMBLE NAVIGATION LIMITED a corporation of California, having a place of business at 935 Stewart Drive, Sunnyvale, California 94085, its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and as possessed by the undersigned, any and all inventions which are disclosed but not claimed, in the application for United States Patent which is entitled

METHODS OF EXTRACTING 4-BAND DATA FROM A SINGLE
CCD; METHODS OF GENERATING 4X4 OR 3X3 COLOR
CORRECTION MATRICES USING A SINGLE CCD

(the "Application") and in and to said Application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said Application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

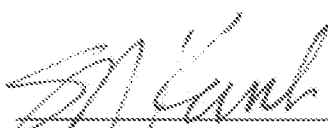
Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said Application;


Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all

divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

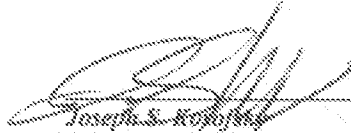
COVENANT with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.


Date: 7 Aug 2013

 [L.S.]
Steven N. Karels

Witness:  [signature]
George A. Peterson [print name]
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Date: 28 Aug 2013

 [L.S.]
Joseph S. Hoffmann

Witness:  [signature]
James Lutes [print name]
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Thorahill, ON L3T 6K9 Canada

Date: 8/8/13

Witness: [Signature] [signature]
Joe Hutson [print name]
85 Leek Cres [address]
Richmond Hill, ON

[Signature]

[L.S.]
Omer Mian

Date: 8/7/12

Witness: [Signature] [signature]
George S Peterson [print name]
11 Boulder St [address]
Chelmsford, MA 01824

[Signature] [L.S.]
Ronald S. Warren