

## PATENT ASSIGNMENT

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 Stylesheet Version v1.1

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>Bevan Gerber-Siff</td> <td>08/16/2013</td> </tr> <tr> <td>Justin Stewart White</td> <td>08/15/2013</td> </tr> <tr> <td>Stephen Prouty</td> <td>08/19/2013</td> </tr> <tr> <td>Robert Tirrell (DECEASED)</td> <td>08/16/2013</td> </tr> <tr> <td>Michael John Preiner</td> <td>07/03/2013</td> </tr> <tr> <td>Nicholas Carleton Koshnick</td> <td>07/26/2013</td> </tr> </tbody> </table>		Name	Execution Date	Bevan Gerber-Siff	08/16/2013	Justin Stewart White	08/15/2013	Stephen Prouty	08/19/2013	Robert Tirrell (DECEASED)	08/16/2013	Michael John Preiner	07/03/2013	Nicholas Carleton Koshnick	07/26/2013
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Solum, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1916 Old Middlefield Way, Suite A</td> </tr> <tr> <td>City:</td> <td>Mountain View</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94043</td> </tr> </table>		Name:	Solum, Inc.	Street Address:	1916 Old Middlefield Way, Suite A	City:	Mountain View	State/Country:	CALIFORNIA	Postal Code:	94043				
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CORRESPONDENCE DATA															
<p>Fax Number: 6509385200  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 6503357160        Email: dchevalier@fenwick.com        Correspondent Name: Andrew P. Whitehead        Address Line 1: 801 California Street        Address Line 4: Mountain View, CALIFORNIA 94041</p>															
ATTORNEY DOCKET NUMBER:	27446-22177														
NAME OF SUBMITTER:	Andrew P. Whitehead														

CH \$40.00 13794331

Signature:	/Andrew P. Whitehead/
Date:	08/20/2013
Total Attachments: 7 source=22177 US Assignment#page1.tif source=22177 US Assignment#page2.tif source=22177 US Assignment#page3.tif source=22177 US Assignment#page4.tif source=22177 US Assignment#page5.tif source=22177 US Assignment#page6.tif source=22177 US Assignment#page7.tif	

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Solum, Inc.**, a Delaware corporation, having a place of business at 1916 Old Middlefield Way, Suite A, Mountain View, CA 94043 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following non-provisional application filed under 35 U.S.C. § 111(a), international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):

- Application No. **13/794,331**, entitled "**Automated Soil Measurement Device**," filed on **March 11, 2013**, which claims priority from a provisional application, filed on August 3, 2012, now bearing U.S. Application No. 61/679,570.

2. The entire worldwide right, title, and interest in and to:  
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto that have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) that may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

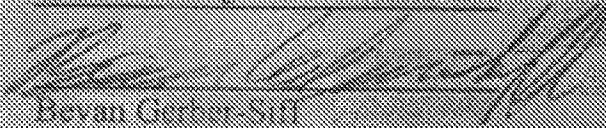
By signing below, INVENTOR further attests to the following:

- The APPLICATION was made or authorized to be made by INVENTOR;
- INVENTOR believes that INVENTOR is the original inventor or an original joint inventor of a claimed invention in the APPLICATION.

INVENTOR hereby acknowledges that any willful false statement made in this document is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Name and Signature

Date of Signature



2013.03.15

Bevan Gerber-Siff

Name and Signature

Date of Signature

Justin Stewart White

Name and Signature

Date of Signature

Stephen Proddy

Name and Signature

Date of Signature

(Deceased)

Robert Turrell

Name and Signature

Date of Signature

Title: Automated Soil Measurement Device  
Filed: March 11, 2013  
Application No.: 13/794,331

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8/15/2013

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Date of Signature

Bevan Gerber-Siff

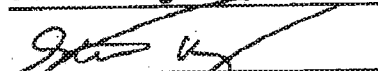
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Robert Tirrell

Title: Automated Soil Measurement Device  
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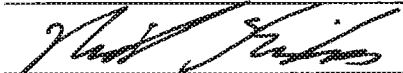


Michael John Preiner

Date of Signature

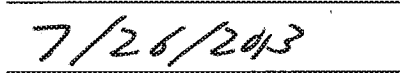


Name and Signature



Nicholas Carleton Koshnick

Date of Signature







Title of Document: ASSIGNMENT

Title: Automated Soil Measurement Device  
Filed: (if applicable) March 11, 2013  
Application No.: (if applicable) 13/794,331

Name of invention: Automated Soil Measurement Device

and which is set forth (37 C.F.R. §3.21) in the U.S. patent application executed on even date herewith, and in any legal equivalent thereof in a foreign country, including the right to claim priority, and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, reissue, re-examination, renewal, or substitute thereof.

To comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known:

U.S. Application No. 13/794,331, filed on March 11, 2013.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR, and will testify as to the same in any interference, litigation or proceeding related thereto, and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

PROOF OF AUTHORITY to act on behalf of the deceased/incapacitated inventor is submitted herewith.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this 16<sup>th</sup> day of August, 2013.

Date: 8/16/2013

J. Twell  
Legal Representative