

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael John Preiner</td> <td>05/31/2010</td> </tr> <tr> <td>Nicholas Carleton Koshnick</td> <td>05/31/2010</td> </tr> <tr> <td>Justin Stewart White</td> <td>05/31/2010</td> </tr> <tr> <td>John Paul Strachan</td> <td>06/02/2010</td> </tr> </tbody> </table>		Name	Execution Date	Michael John Preiner	05/31/2010	Nicholas Carleton Koshnick	05/31/2010	Justin Stewart White	05/31/2010	John Paul Strachan	06/02/2010		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Solum, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>950 N. Rengstorff Avenue</td> </tr> <tr> <td>Internal Address:</td> <td>Suite E</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:	950 N. Rengstorff Avenue	Internal Address:	Suite E	City:	Mountain View	State/Country:	CALIFORNIA	Postal Code:	94043
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CORRESPONDENCE DATA													
Fax Number: (650)938-5200 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 650-988-8500 Email: mnicely@fenwick.com Correspondent Name: Brian G. Brannon Address Line 1: Fenwick & West LLP Address Line 2: 801 California Street Address Line 4: Mountain View, CALIFORNIA 94041													
ATTORNEY DOCKET NUMBER:	27446-16781												
NAME OF SUBMITTER:	Brian G. Brannon												

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PATENT
REEL: 024709 FRAME: 0360

Total Attachments: 2

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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 950 N. Rengstorff Ave., Suite E, 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 provisional application filed under 35 U.S.C. § 111(b), 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. 12/775,762, entitled "**Measurement of Nitrate-Nitrogen Concentration in Soil based on Absorption Spectroscopy**," filed on May 7, 2010, which claims priority from a provisional application, filed on May 7, 2009, now bearing US Application No. 61,215,696.

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 which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which 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.

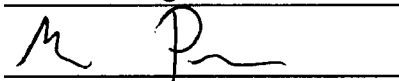
INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein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

Title: Measurement of Nitrate-Nitrogen Concentration in Soil based on
Absorption Spectroscopy
Filed: May 7, 2010
Application No.: 12/775,762

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 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.

Name and Signature

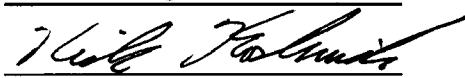


Michael John Preiner

Date of Signature

May 31, 2010

Name and Signature

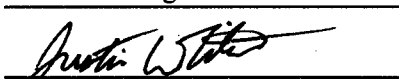


Nicholas Carleton Koshnick

Date of Signature

May 31, 2010

Name and Signature

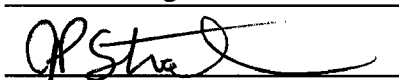


Austin Stewart White

Date of Signature

May 31, 2010

Name and Signature



John Paul Strachan

Date of Signature

June 02, 2010