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07-20-2001



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To the Honorable Commissioner of Patents and Trademarks, please return the attached original documents or copy thereof.

1. Name of conveying party(ies):

Denis MORRISSEY
David MERRICKS
Leon R. BARSTAD
Eugene N. STEP
Jeffrey M. CALVERT
Additional names(s) of conveying party(ies) Yes No

Robert A. SCHETTY, III
James G. SHELNUT
Mark LEFEBVRE
Martin W. BAYES
Donald E. STORJOHANN

2. Name and address of receiving party(ies):

Name: Shipley Company, L.L.C.

Address: 455 Forest Street

City: Marlborough

State/Prov.: MA

Country: U.S.A.

ZIP: 01752

Additional name(s) & address(es) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

7-1601

Execution Date: January 15, 2001

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

Patent Application No.

Filing date

B. Patent No.(s)

09/738,551

December 15, 2000

07/18/2001 KZEMDIE 00000046 09738551

04 FC:581

40.00 DP

Additional numbers

Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Peter F. Corless

Registration No. 33,860

Address: EDWARDS & ANGELL, LLP

Dike, Bronstein, Roberts & Cushman, IP Group

P.O. Box 9169

City: Boston State/Prov.: MA

Country: U.S.A. ZIP: 02209

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ 40.00

- Enclosed - Any excess or insufficiency should be credited or debited to deposit account
- Authorized to be charged to deposit account

8. Deposit account number:

04-1105

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Peter F. Corless

Name of Person Signing

Signature

July 13, 2001

Date

Total number of pages including cover sheet, attachments, and



ASSIGNMENT

WHEREAS, I, Denis Morrissey of Huntington, New York, I, David Merricks of Boston, Massachusetts, Leon R. Barstad of Raynham, Massachusetts, I, Eugene N. Step of Newton, Massachusetts, I, Jeffrey M. Calvert of Acton, Massachusetts, I, Robert A. Schetty, III of Fort Salonga, New York, I, James G. Shelnut of Northboro, Massachusetts, I, Mark Lefebvre of Hudson, New Hampshire, I, Martin W. Bayes of Hopkinton, Massachusetts and I, Donald E. Storjohann of Watertown, Massachusetts, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "SEED LAYER REPAIR METHOD", for which an application for United States Letters Patent with the same title was filed with the U.S. Patent Office on December 11, 2000 and assigned U.S. Patent Application Serial No. _____, and claims priority of U.S. Provisional Application Serial No. 60/170,998, and

WHEREAS, Shipley Company, L.L.C., located at 455 Forest Street, Marlborough, Massachusetts 01752, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the same invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for the above consideration, the Assignors have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest for the United States in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, and all applications claiming priority therefrom; and the Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as their interest is concerned, to the Assignee; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors also have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

The Assignors also hereby grant the law firm of EDWARDS & ANGELL, LLP, Dike, Bronstein, Roberts & Cushman, IP Group, 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.

IN WITNESS WHEREOF, the Assignors have caused this Assignment to be executed.

Dated this ____ day of _____, ____.

Denis MORRISSEY

Dated this ____ day of _____, ____.

David MERRICKS

Dated this 13 day of December, 2000.



Leon R. BARSTAD

Dated this 13 day of December, 2000.



Eugene N. STEP

Dated this ____ day of _____, ____.

Jeffrey M. CALVERT

Dated this ____ day of _____, ____.

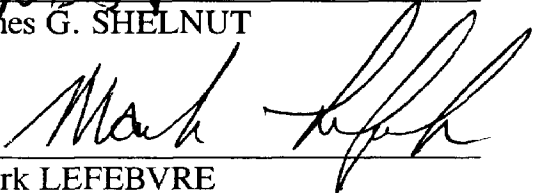
Robert A. SCHETTY, III

Dated this 13 day of DECEMBER, 2000.



James G. SHELNUT

Dated this 13th day of December, 2000.



Mark LEFEBVRE

Dated this 13th day of DECEMBER, 2000.



Martin W. BAYES

Dated this 13th day of December, 2000.



Donald E. STORJOHANN

ASSIGNMENT

WHEREAS, I, Denis Morrissey of Huntington, New York, I, David Merricks of Boston, Massachusetts, Leon R. Barstad of Raynham, Massachusetts, I, Eugene N. Step of Newton, Massachusetts, I, Jeffrey M. Calvert of Acton, Massachusetts, I, Robert A. Schetty, III of Fort Salonga, New York, I, James G. Shelnut of Northboro, Massachusetts, I, Mark Lefebvre of Hudson, New Hampshire, I, Martin W. Bayes of Hopkinton, Massachusetts and I, Donald E. Storjohann of Watertown, Massachusetts, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "SEED LAYER REPAIR METHOD", for which an application for United States Letters Patent with the same title was filed with the U.S. Patent Office on December 11, 2000 and assigned U.S. Patent Application Serial No. _____, and claims priority of U.S. Provisional Application Serial No. 60/170,998, and

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Dated this ____ day of _____, ____.

Denis MORRISSEY

Dated this ____ day of _____, ____.

David MERRICKS

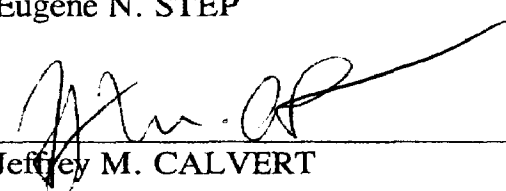
Dated this ____ day of _____, ____.

Leon R. BARSTAD

Dated this ____ day of _____, ____.

Eugene N. STEP

Dated this 15th day of January, 2001.



Jeffrey M. CALVERT

Dated this ____ day of _____, ____.

Robert A. SCHETTY, III

Dated this ____ day of _____, ____.

James G. SHELNUT

Dated this ____ day of _____, ____.

Mark LEFEBVRE

Dated this ____ day of _____, ____.

Martin W. BAYES

Dated this ____ day of _____, ____.

Donald E. STORJOHANN

Attorney Docket No. 50659**Page 1 of 2****ASSIGNMENT**

WHEREAS, I, Denis Morrissey of Huntington, New York, I, David Merricks of Boston, Massachusetts, Leon R. Barstad of Raynham, Massachusetts, I, Eugene N. Step of Newton, Massachusetts, I, Jeffrey M. Calvert of Acton, Massachusetts, I, Robert A. Schetty, III of Fort Salonga, New York, I, James G. Sheinut of Northboro, Massachusetts, I, Mark Lefebvre of Hudson, New Hampshire, I, Martin W. Bayes of Hopkinton, Massachusetts and I, Donald E. Storjohann of Watertown, Massachusetts, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "SEED LAYER REPAIR METHOD", for which an application for United States Letters Patent with the same title was filed with the U.S. Patent Office on December 11, 2000 and assigned U.S. Patent Application Serial No. _____, and claims priority of U.S. Provisional Application Serial No. 60/170,998, and

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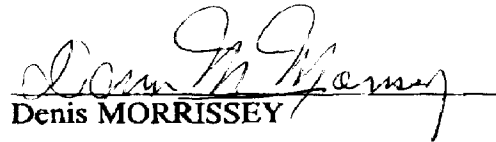
Docket No. 50659

Page 2 of 2

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Dated this 13 day of December, 2000


Denis MORRISSEY

Dated this ___ day of _____, _____.

David MERRICKS

Dated this ___ day of _____, _____.

Leon R. BARSTAD

Dated this ___ day of _____, _____.

Eugene N. STEP

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Jeffrey M. CALVERT

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Robert A. SCHETTY, III

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James G. SHELNUT

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Mark LEFEBVRE

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Attorney Docket No. 50659**Page 1 of 2****ASSIGNMENT**

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PATENT**REEL: 011982 FRAME: 0868**

Docket No. 50659

Page 2 of 2

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Dated this ___ day of _____, _____.

Jeffrey M. CALVERT

Dated this 13th day of Dec. 2000, _____.


Robert A. SCHETTY, III

Dated this ___ day of _____, _____.

James G. SHELNUT

Dated this ___ day of _____, _____.

Mark LEFEBVRE

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Attorney Docket No. 50659**Page 1 of 2****ASSIGNMENT**

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Dated this 15 day of DECEMBER, 2000.



David MERRICKS

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Eugene N. STEP

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