

09-30-1999

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Form PTO-1595
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101158531

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Jerry Caulder, R. Hugh Crowley, Paul S. Zorner,
Steven L. Evans

2. Name and address of receiving party(ies):
Name Mycogen Corporation
Internal Address:

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Street Address:
5501 Oberlin Drive
City San Diego State CA ZIP 92121

Execution Date: 6/19/95; 6/23/95; 7/24/95

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

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
Serial No. 08/396 372; filed February 28, 1995
Docket No. MA-52.D1.FWC2

B. Patent No.(s)

Additional numbers attached? Yes No

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

6. Total number of applications and patents involved: 1

Name: Jay M. Sanders
Internal Address:

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

Enclosed
 Authorized to be charged to deposit account

Street Address: 2421 N.W. 41st Street
Suite A-1

8. Deposit account number:

City: Gainesville State: FL Zip: 32606

19-0065

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.

Jay M. Sanders

September 23, 1999

Name of Person Signing

Signature

Date

09/30/1999 MTHAI1 00000005 190065 08396372

Total number of pages comprising cover sheet, attachments, and document:

8

01 FC:581 40.00 CH

ASSIGNMENT

WHEREAS, we, the undersigned, residing at the indicated addresses given below, respectively, have invented certain new and useful improvements in **Novel Process and Composition for Controlling Weeds**, for which an application for United States Letters Patent was

signed by us as dated below.

filed June 7, 1995, Serial No. 08/485,334.

WHEREAS, MYCOGEN CORPORATION, a corporation of the State of Delaware, having a place of business at San Diego, California, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of valuable consideration, receipt whereof is hereby acknowledged, we, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said MYCOGEN CORPORATION, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

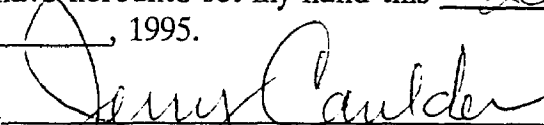
We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said MYCOGEN CORPORATION, as the assignee of the entire right, title and interest in and to the same, for the sole use and behoof of said MYCOGEN CORPORATION, its successors and assigns.

FURTHER, We agree that we will communicate to said MYCOGEN CORPORATION, or its representatives, any facts known to me respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said MYCOGEN CORPORATION; make all rightful oaths; and generally do everything possible to aid the said MYCOGEN CORPORATION, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

Page one of 5 pages

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23rd day
of June, 1995.

Signed

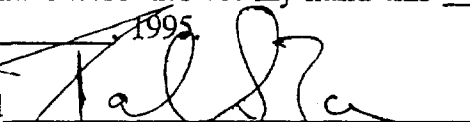


Jerry Caulder

Address: 13545 Mira Montana Drive
Del Mar, California 92014

IN TESTIMONY WHEREOF, I have hereunto set my hand this 19th day
of June, 1995.

Signed

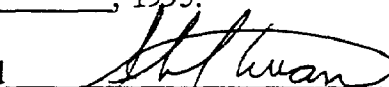


Paul S. Zorner

Address: 2939 Segovia Way
Carlsbad, California 92009

IN TESTIMONY WHEREOF, I have hereunto set my hand this 19 day
of June, 1995.

Signed



Steven L. Evans

Address: 1936 Rosewood Street
Vista, California 92083

[ATTACH NOTARY CERTIFICATE FOR EACH SIGNATURE]

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

No. 5907

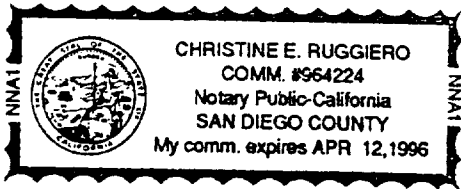
State of California

County of San Diego

On 6/19/95 before me, Christine E. Ruggiero, Notary Public
DATE NAME, TITLE OF OFFICE - E.G., "JANE DOE, NOTARY PUBLIC"

personally appeared Steven L. Evans
NAME(S) OF SIGNER(S)

personally known to me - **OR** proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s) (is) are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in (his/her/their) authorized capacity~~(ies)~~, and that by (his/her/their) signature~~s~~ on the instrument the person~~s~~ or the entity upon behalf of which the person~~s~~ acted, executed the instrument.



WITNESS my hand and official seal.

Christine E. Ruggiero
SIGNATURE OF NOTARY

OPTIONAL

Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.

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SIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES)

State of California

County of San Diego

On 6/19/95 before me, Christine E. Ruggiero, Notary Public

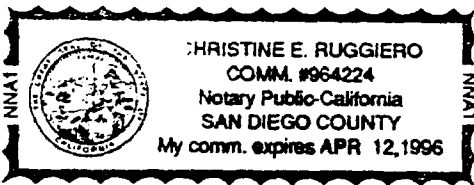
DATE

NAME, TITLE OF OFFICER - E.G., JANE DOE, NOTARY PUBLIC

personally appeared Paul S. Zorner

NAME(S) OF SIGNER(S)

personally known to me - ~~OR~~ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Christine E. Ruggiero
SIGNATURE OF NOTARY

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TITLE(S)

- PARTNER(S) LIMITED GENERAL
- ATTORNEY-IN-FACT
- TRUSTEE(S)
- GUARDIAN/CONSERVATOR
- OTHER: _____

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SIGNER(S) OTHER THAN NAMED ABOVE

State of California

County of San Diego

On 6/23/95 before me, Christine Ruggiero, Notary Public,
DATE NAME, TITLE OF OFFICER, E.G., "JANE DOE, NOTARY PUBLIC"

personally appeared Jerry Caulder
NAME(S) OF SIGNER(S)

personally known to me - ~~OR~~ - ~~proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.~~



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Christine E. Ruggiero
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- TRUSTEE(S)
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SIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES)

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NOW, THEREFORE, in view of valuable consideration, receipt whereof is hereby acknowledged, we, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said MYCOGEN CORPORATION, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said MYCOGEN CORPORATION, as the assignee of the entire right, title and interest in and to the same, for the sole use and behoof of said MYCOGEN CORPORATION, its successors and assigns.

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Page one of 2 pages

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24 day
of July, 1995.

Signed R. Hugh Crowley

R. Hugh Crowley
Address: Route 4, Box 589
Mena, Arkansas 71953

[ATTACH NOTARY CERTIFICATE FOR EACH SIGNATURE]

July 24, 1995

Polk County, Arkansas

Notary: Lynda F. Black

Commission Expires: ~~Commission~~ Expires October 31, 2004

Seal:

Page two of 2 pages