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NO. 5243 P. 12/12

Director of the United States Patent and Trademark Office
Box: ASSIGNMENT
Washington, D.C. 20231

04-13-2001



February 27, 2001

①

101644884

Sir: MRD 3.21.01

Transmitted herewith for recording is a document for which the following particulars apply:

- 1. Assignor(s): Lloyd L. Lavelly Jr.
9735 Cherokee Lane
Leawood, KS 66206
- 2. Assignee(s): Black & Veatch (a Missouri Partnership)
Address: 8400 Ward Parkway
Kansas City, MO 64114

Assignee is domiciled in the United States.

Assignee is not domiciled in the United States. A Designation of a Domestic Representative is attached.

- 3. Type of Document: Patent Application
Date Executed: July 24, 1997 (nun pro tunc) ^{40:} *Assignment. Assignor assigns 1/2 interest to said assignee.*
Interest Conveyed: Entire Other: 1/2 interest

- 4. Please record the enclosed document against the following:
 patent application(s) issued patent(s)
Application Serial No. 08/899,576, filed July 24, 1997, entitled PROCESS FOR PRODUCING HIGHLY REACTIVE LIME IN A FURNACE, now issued U.S. Patent No. 6,146,607

- 5. Please address all correspondence concerning recordation of this document to: Shughart, Thomson & Kilroy, P.C., Attention Kent R. Erickson, 120 West 12th Street, Kansas City, Missouri 64105.

- 6. Total number of patent(s)/application(s) involved: 1

- 7. Please charge Deposit Account No. 12-1660 for the total recording fee of \$_____.

- 8. Our check No. 340255 is enclosed to cover the total recording fee of \$ 40.00.

- 9. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 12-1660.

- 10. The undersigned certifies that to the best of his knowledge, all information contained herein is true and correct and any copy of documents submitted herewith is a true copy of the original documents.

Respectfully submitted,

By
Kent R. Erickson

Reg. No. 36,793

Total number pages submitted: 8

Twelve Wyandotte Plaza
120 West 12th Street
Kansas City, Missouri 64105
816-421-3355

03/21/2001 00000036 1 581 \$40.00 03/02/2001 OP

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PATENT
REEL: 011474 FRAME: 0573

Exhibit A

Patent Assignment

Lloyd L. Lavelly Jr., ("Lavelly") is a Kansas resident, residing at 9735 Cherokee Lane, Leawood, Kansas 66206 and Black & Veatch Corporation, ("B&V Corp.") is a Delaware Corporation, having a principal place of business at 8400 Ward Parkway, Kansas City, MO 64114. Black & Veatch, L.L.P. is a Missouri Limited Liability Partnership (B&V LLP) having a principal place of business at 8400 Ward Parkway, Kansas City, MO 6411, and is the successor in interest of Black & Veatch, a Missouri partnership ("B&V Partnership").

WHEREAS Lavelly developed a PROCESS FOR PRODUCING HIGHLY REACTIVE LIME FROM LIMESTONE IN A FURNACE (the "Invention") while employed by B&V Partnership;

WHEREAS it was the understanding of Lavelly and B&V Partnership that they would co-own the patent rights in the Invention and any patent applications filed thereon until an agreement concerning sharing of revenue from commercialization of the Invention could be finalized;

WHEREAS the following patent applications (hereinafter the "Patent Applications") have been filed on the Invention:

- a. U.S. application Ser. No. 08/899,576;
- b. PCT application No. PCT/US98/15363;
- c. Australian application No. 85116/98;
- d. Turkey application No. 00193/00;
- e. E.P.O. application No. 98935984.9 and
- f. Eurasian application No. 200000156.

WHEREAS the parties have reached an agreement concerning sharing of revenue and the parties hereby memorialize their agreement as to ownership of the Invention as set forth below.

NOW THEREFORE, in exchange for good and valuable consideration, the parties agree as follows:

1. Lavelly assigns to B&V partnership, retroactively effective July 24, 1997, a one-half interest in the Invention and the Patent Applications filed thereon including all continuations, divisions and foreign equivalents thereof, and any and all patents to issue therefrom including any extensions, renewals or reissues of such patents;
2. B&V Partnership does hereby assign to B&V LLP, retroactively effective to the date of formation of B&V LLP, its interest in the Invention and the Patent Applications filed thereon (assigned to it from Lavelly) including all continuations, divisions and foreign equivalents thereof, and any and all patents to issue therefrom including any extensions, renewals or reissues of such patents;

- 3. B&V LLP hereby assigns to B&V Corp. its interest in the Invention and the Patent Applications filed thereon including all continuations, divisions and foreign equivalents thereof; and any and all patents to issue therefrom including any extensions, renewals or reissues of such patents.
- 4. Lavelly hereby assigns to B&V Corp. his remaining interest in the Invention and the Patent Applications filed thereon including all continuations, divisions and foreign equivalents thereof; and any and all patents to issue therefrom including any extensions, renewals or reissues of such patents.

It is therefore to be understood that all right title and interest in and to the Invention and the Patent Applications is hereby vested in B&V Corp.

Aug 10, 2000
Date

Lloyd L. Lavelly, Jr.
Lloyd L. Lavelly, Jr.

Black & Veatch (partnership)

8/8/00
Date

By [Signature] Partner

Black & Veatch, L.L.P.

8/8/00
Date

By [Signature] Partner

Black & Veatch Corporation

8/8/00
Date

By [Signature]
Title: 8/8/00

ACKNOWLEDGMENT FOR LLOYD L. LAVELY, JR.

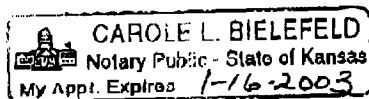
STATE OF KANSAS)
) ss.
COUNTY OF JOHNSON)

On this 10th day of August, 2000, before me, a Notary Public in and for the above State and County, personally appeared Lloyd L. Lavelly, Jr. known to me to be the person of that name who signed and sealed the above instrument, and he acknowledged the same to be his free act and deed.

Carole L Bielefeld
Notary Public

My Commission Expires:

1-16-2003



ACKNOWLEDGMENT FOR BLACK & VEATCH

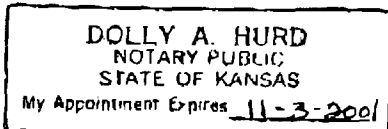
STATE OF Kansas)
) ss.
COUNTY OF Johnson)

On this 8 day of August, 2000, before me appeared Patrick W. Davidson, to me known and being by me duly sworn, did say that he was a partner in Black & Veatch, a Missouri partnership, at the time of its conversion to Black & Veatch, L.L.P., and that said instrument was signed on behalf of said partnership, and acknowledged the same to be the free act and deed of said partnership.

Dolly A. Hurd
Notary Public

My Commission Expires:

11-3-2001



ACKNOWLEDGMENT FOR BLACK & VEATCH, LLP

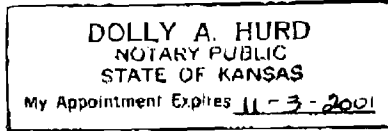
STATE OF Kansas)
) ss.
COUNTY OF Johnson)

On this 8 day of August, 2000, before me appeared Patrick G. Davidson, to me known and being by me duly sworn, did say that he is a partner in Black & Veatch, L.L.P., a Missouri limited liability partnership, and that said instrument was signed on behalf of said limited liability partnership, and acknowledged the same to be the free act and deed of said limited liability partnership.

Dolly A. Hurd
Notary Public

My Commission Expires:

11-3-2001



ACKNOWLEDGMENT FOR BLACK & VEATCH CORPORATION

STATE OF Kansas)
) ss.
COUNTY OF Johnson)

On this 8 day of August, 2000, before me appeared Patrick G. Davidson to me known and being by me duly sworn, did say that he is President-Power of Black & Veatch Corporation, and that said instrument was signed on behalf of said corporation by authority of its Board of Directors, and acknowledged the same to be the free act and deed of said corporation.

Dolly A. Hurd
Notary Public

My Commission Expires:

11-3-2001

