

07-17-1998



Docket No.

To the Honorable Commissioner of Patent

100766546

Please record the attached original documents or copy thereof.

1. Name of conveying party:

David A. Shiraldi  
Sheldon C. Sherman  
Dhiraj S. Wood  
Mark G. White

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

2. Name and address of receiving party:

HNA Holdings, Inc.  
PO Box 32414  
Charlotte, NC 28232-2414

jc549 U.S. PTO  
09/11/98  
07/07/98

3. Nature of conveyance:

MRD7-7-98

(X) Assignment ( ) Merger  
( ) Security Agreement ( ) Change of Name  
( ) Other

Execution Date(s): 7/7/98, 7/1/98, 7/2/98, 7/1/98

4. Application number:

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

A. Patent Application No.(s)

B. Patent No.(s)

09/11/487

Additional numbers attached? ( ) Yes (X) No

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

HNA Holdings, Inc.  
P. O. Box 32414  
Charlotte, NC 28232-2414

Attention: Walter M. Douglas

6. Total number of applications and patents involved: 1

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

( ) Enclosed

(X) Authorized to be charged to deposit account

8. Deposit account number: 031165

(Attach duplicate copy of this page if paying by deposit account)

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.

Walter M. Douglas

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

08/16/1998 JPTKINS 00000007 031165 40.00 CH  
09/11/98

## ASSIGNMENT

Docket No. 8285

Serial No.

Filed:

WHEREAS, UNDERSIGNED

David Anthony Schiraldi  
Sheldon Christopher Sherman  
Dhiraj Sudesh Sood  
Mark Gilmore White

citizen(s) of the United States of America residing at

6600 Porterfield Rd., Charlotte, NC 28226  
4840 Camberbridge Drive, Alpharetta, GA 30022  
4155 Essen Lane, No. 255, Baton Rouge, LA 70809  
1548 Lake Koninia Drive, Woodstock, GA 30189

have invented certain new and useful improvements (INVENTION) disclosed, shown, and described in an APPLICATION for Letters Patent of the United States entitled

"CATALYTIC SYSTEM AND METHOD FOR COUPLING OF AROMATIC COMPOUNDS"

Docket No. 8285, said APPLICATION being executed concurrently herewith, and

WHEREAS, by virtue of a pre-existing obligation of assignment, the UNDERSIGNED has (have) been under a continuous obligation since prior to the invention of the subject matter of the said APPLICATION to assign the said APPLICATION to HNA HOLDINGS, INC.

WHEREAS, HNA HOLDINGS, INC., a corporation of the State of Delaware, U.S.A., having an office at 2300 Archdale Drive, Charlotte, NC 28210-4500 (ASSIGNEE) is desirous of acquiring the entire right, title and interest in and to the INVENTION, in this and any foreign country, and in and to any Letters Patent of the United States or any foreign country which may be granted embracing the INVENTION.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, UNDERSIGNED by these presents, sells, assigns and transfers unto ASSIGNEE, its legal representatives, successors, and assigns, the entire right, title and interest for the United States and all foreign countries, in and to the INVENTION, and in and to the said APPLICATION, and in and to any applications for Letters Patent which have been or may be filed in any foreign country on said INVENTION, and in and to any and all priority rights generated by the filing of said APPLICATION in the United States or any foreign country, which may be granted covering the INVENTION, including any continuations, substitutions, divisions, reissues, or renewals thereof, enjoyed by ASSIGNEE for its interest, for its own use and behalf, and for its legal representatives, successors, and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by UNDERSIGNED had this assignment and sale not been made.

THE UNDERSIGNED covenant(s) not to have executed and will not execute any agreement in conflict with this assignment.

IN WITNESS WHEREOF this assignment has been executed by UNDERSIGNED on the date opposite his name.

Date 7/7/98

David A. Schiraldi (LS)  
David A. Schiraldi

Date 7/1/98

Sheldon C. Sherman (LS)  
Sheldon C. Sherman

Date 7/2/98

Dhiraj Sudesh Sood (LS)  
Dhiraj Sudesh Sood

Date 7/1/98

Mark G. White (LS)  
Mark G. White

State of North Carolina

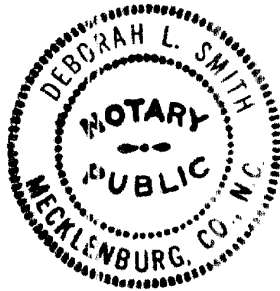
County of Mecklenburg

On 7/7/98 before me a Notary Public in and for the county and state aforesaid, appeared

David Anthony Schiraldi

to me personally known to be the same person(s) whose name(s) is (are) subscribed to the foregoing instrument, and acknowledged that he (they) executed said instrument as his (their) free and voluntary act, and for the uses and purposes therein expressed

WITNESS my hand and seal the day and year last above given.



Deborah L. Smith  
Notary Public

My Commission Expires: 3/4/03

State of Georgia

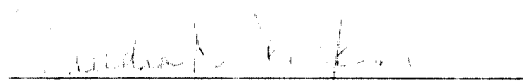
County of

On 1-1-02 before me a Notary Public in and for the county and state aforesaid, appeared

Sheldon Christopher Sherman

to me personally known to be the same person(s) whose name(s) is (are) subscribed to the foregoing instrument, and acknowledged that he (they) executed said instrument as his (their) free and voluntary act, and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.



Notary Public

Notary Public, DeKalb County, Georgia

My Commission Expires: Feb. 18, 2002

State of Louisiana

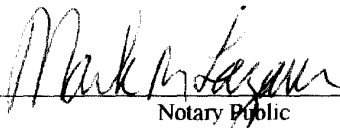
County of

On before me a Notary Public in and for the county and state aforesaid, appeared

Dhiraj Sudesh Sood

to me personally known to be the same person(s) whose name(s) is (are) subscribed to the foregoing instrument, and acknowledged that he (they) executed said instrument as his (their) free and voluntary act, and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

  
Notary Public

My Commission Expires: at death

State of Georgia

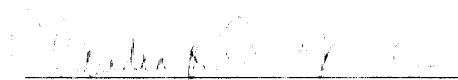
County of

On 7-10-98 before me a Notary Public in and for the county and state aforesaid, appeared

Mark Gilmore White

to me personally known to be the same person(s) whose name(s) is (are) subscribed to the foregoing instrument, and acknowledged that he (they) executed said instrument as his (their) free and voluntary act, and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

  
\_\_\_\_\_  
Notary Public

Notary Public, DeKalb County, Georgia  
My Commission Expires Feb. 16, 2002

My Commission Expires: \_\_\_\_\_

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