

11-15-2005

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OMB No. 0651-0027 (exp. 6/30/2005)

Doc Code:



DEPARTMENT OF COMMERCE  
Patents and Trademark Office

RECORDATION  
**PATENT ONLY**  
103119249

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

11-4-05

**1. Name of conveying party(ies)**

Robert E. ASTLE;  
Hemang PATEL;  
Mahesh Z. PATEL;  
Thomas HOLLER; and  
Karl FRITZE

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

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

Name: 3M Innovative Properties Company

Internal Address: \_\_\_\_\_

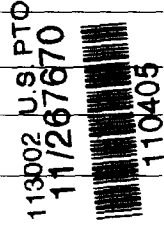
Street Address: P.O. Box 33427

City: St. Paul

State: Minnesota

Country: US Zip: 55133-3427

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



**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 11/3; 11/4/ 11/2/2005

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: R. Thomas Payne

Internal Address: \_\_\_\_\_

Street Address: CUNO Incorporated  
400 Research Parkway, P.O. Box 1018

City: Meriden

State: CT Zip: 06450-1018

Phone Number: (203) 238-8737

Fax Number: (203) 238-8716

Email Address: rpayne2@mmm.com

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

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$** 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_

Expiration Date \_\_\_\_\_

b. Deposit Account Number 033879

Authorized User Name R. Thomas Payne

**9. Signature:**

Signature

11/4/2005

Date

R. Thomas Payne

Name of Person Signing

Total number of pages including cover

4

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

11/14/2005 DBYRNE 00000264 033879 11267670

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**PATENT**  
**REEL: 017208 FRAME: 0800**

**Assignment of Rights, Title and Interest in Invention  
(Multiple inventors; single assignee)**

Docket No.  
Penta-864.1

*This is an Assignment of the following rights, title and interest: (check all that apply):*

- United States of America rights, title and interest in the invention*
- Foreign rights, title and interest in the invention*
- United States Patent Application Serial No.* \_\_\_\_\_  
*Date of Execution:* \_\_\_\_\_ *Date of Filing:* November 4, 2005
- United States Provisional Patent Application Serial No.* \_\_\_\_\_
- United States Patent No(s).* \_\_\_\_\_
- International (PCT) Patent Application Serial No.* \_\_\_\_\_
- Other (specify)* \_\_\_\_\_

**Title of the Invention**

System for Monitoring the Performance of Fluid Treatment Cartridges

**Inventors (assignors)**

<i>Name</i>	<i>Address</i>
Robert E. ASTLE	9 Maryland Drive, Middlefield, CT 06455
Hernang PATEL	144 Knollwood Drive, Wallingford, CT 06492
Mahesh Z. PATEL	36 Hacienda Circle, Plantsville, CT 06479
Thomas HOLLER	56 Horizon Lane, Glastonbury, CT 06033
Karl FRITZE	15499 South 87th Street, Denmark Township, MN 55033

**Assignee**

<i>Name</i>	<i>Address</i>
3M Innovative Properties Company	P.O. Box 33427 St. Paul, MN 55133-3427

**Assignment of Rights, Title and Interest in Invention  
(Multiple inventors; single assignee)**

Docket No.  
Penta-864.1

*Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");*

*And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;*

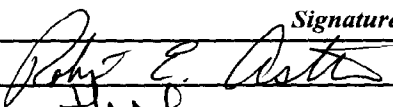
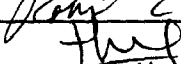
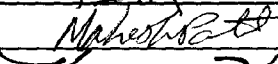
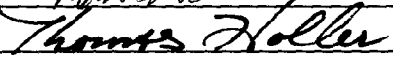
*Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;*

*We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;*

*And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;*

*And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.*

*Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)*

Name	Signature/Date
Robert E. ASTLE	 11/3/05
Hemang PATEL	 11/3/05
Mahesh Z. PATEL	 11/3/05
Thomas HOLLER	 11/4/05
Karl FRITZE	