

03-12-2001

02.23.01



101634068

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

New

Resubmission (Non-Recordation)  
Document ID#

Correction of PTO Error  
Reel #  Frame #

Corrective Document  
Reel #  Frame #

**Conveyance Type**

Assignment  Security Agreement

License  Change of Name

Merger  Other

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Name (line 1)  Execution Date  
Month Day Year

**Second Party**

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City State/Country Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**FOR OFFICE USE ONLY**

02/28/2001 BABRAHA1 00000028 09790530

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20431

**REEL: 011561 FRAME: 0764**

**Correspondent Name and Address**      **Area Code and Telephone Number**

**Name**

**Address (line 1)**

**Address (line 2)**

**Address (line 3)**

**Address (line 4)**

**Pages**      Enter the total number of pages of the attached conveyance document including any attachments.      #

**Application Number(s) or Patent Number(s)**       Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

<b>Patent Application Number(s)</b>			<b>Patent Number(s)</b>		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.      Month    Day    Year

Feb. 6, 2001

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT     PCT     PCT

PCT     PCT     PCT

**Number of Properties**      Enter the total number of properties involved.      #

**Fee Amount**      Fee Amount for Properties Listed (37 CFR 3.41): \$

**Method of Payment:**      Enclosed       Deposit Account

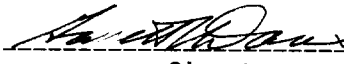
**Deposit Account**  
(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:      #

Authorization to charge additional fees:      Yes       No

**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. Charges to deposit account are authorized, as indicated herein.*

Garrett V. Davis            Feb. 23, 2001

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**Name of Person Signing**      **Signature**      **Date**

# RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

## Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

## Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Address (line 3)     
City State/Country Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Address (line 3)     
City State/Country Zip Code

## Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

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# ASSIGNMENT

P-4812

Serial No

Filed:

**WHEREAS**, John D. Evans

(hereinafter called "Assignor"), has made certain new and useful inventions or discoveries relating to: MICROFLUIDIC VALVE AND MICROACTUATOR FOR A MICROVALVE

for which they have on the 5<sup>th</sup> day of February, 2001, executed an application for Letters Patent of the United States of America; and

**WHEREAS**, Becton Dickinson and Company, a corporation of the State of New Jersey, and Nanogen, Inc., a corporation of the State of California, (hereinafter called "Assignees"), are desirous of acquiring the entire right, title, and interest therein:

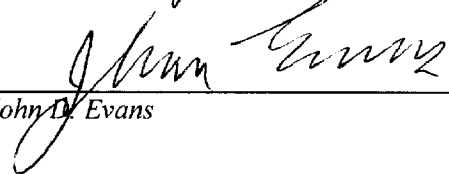
**NOW, THEREFORE, BE IT KNOWN** that for and in consideration of the premises and in acknowledgment, confirmation and performance of obligations which arose out of the terms and conditions of Assignor's employment by Assignees at the time the invention was made, and/or other valuable considerations to them, the receipt and sufficiency of which are hereby acknowledged, Assignor has assigned and transferred, and do hereby assign and transfer unto said Assignees the entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available, is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignees, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made;

And Assignor hereby authorizes and request the Commissioner of Patents and Trademarks of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignor covenants and agrees with said Assignees that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title he warrants unto said Assignees, its successors and assigns;

And for the consideration aforesaid, Assignor further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignees or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignees or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignees the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

**IN TESTIMONY WHEREOF**, Assignor has hereunto set his hand and seal this 5 day of February, 2001.

 (L.S.) (L.S.)  
John D. Evans

(L.S.) (L.S.)

NOTARIZATION PAGE ADDED