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Docket No.: DAM 517-99

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):
Waleed M. Maswadeh, A. Peter Snyder **5.29.03**

2. Name and address of receiving party(ies):
Name: **United States of America as Represented by the**

Address: **Secretary of the Army**

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

City: **Washington** State/Prov.: **DC**

Country: **US** ZIP: **20515**

Execution Date: **10 September 2002**

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

4. Application number(s) or registration numbers(s):

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

| Patent Application No. | Filing date |
|------------------------|-------------|
| 10/241,163 | 09/11/02 |

B. Patent No.(s)

Additional numbers Yes No

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

Name: **Ulysses John Biffoni**

Registration No. **39,908**

Address: **Office of the Chief Counsel/Bldg E4435**

U.S. Army Soldier & Biological Chemical Command

6. Total number of applications and patents involved: **1**

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- Enclosed - Any excess or insufficiency should be credited or debited to deposit account
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8. Deposit account number:

19-2201

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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.

Vicki A. Upchurch

Vicki A. Upchurch **3/5/03**

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and

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PATENT

REEL: 014111 FRAME: 0959

ASSIGNMENT OF INVENTION

For use of this form, see AR 27-60; the proponent agency is OTJAG

Title of Invention: Injection Valves

Inventor(s) Waleed M. Maswadeh, and A. Peter Snyder

* Application Serial No.: 10/241,163

* Date Oath Executed: 9/10/02 * Filing Date: 9/11/02

(*Data not known at execution may be added for better identification.)

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.

2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.

3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

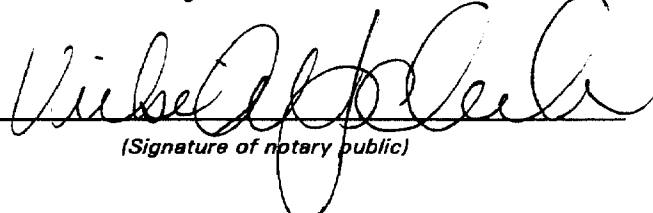
Signature of Inventor: 
(First name) (Middle Initial) (Last name)

Duty Address: SBCCOM, ECBC, R&T Dir., APG, MD 21010-5424
(Locality) (County) (State)

Date: 9/10/02 Typed Name of Inventor: Waleed M. Maswadeh

State of: Maryland)
) SS
County of: Harford)

On the above date Waleed M. Maswadeh known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.


(Signature of notary public)

(SEAL)

My Commission expires on 1/1/04

SUPPLEMENTAL SIGNATURE SHEET

Fof use of this form, see AR 27-60; the proponent agency is OTJAG

Use this form with DA Forms 2873-R and 2874-R when additional signature blocks are needed.

1. ASSIGNOR(s) OR LICENSOR(s) NAME(s)

Waleed M. Maswadeh and A. Peter Snyder

2. APPLICATION, SERIAL NUMBER

10/241, 1163

3. FILING DATE

9/10/02

4. TITLE OF INVENTION

Injection Valves

SIGNATURE OF INVENTOR: A. Pete Snyder
(First name) (Middle initial) (Last name)

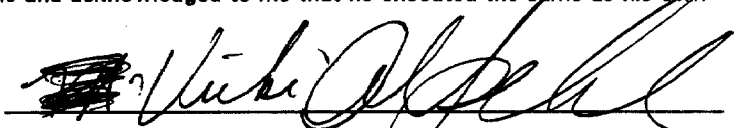
DUTY ADDRESS: ECBC, R&T, APG, MD 21010-5424

DATE SIGNED: 9/10/02 INVENTOR'S TYPED NAME: A. Peter Snyder

STATE OF Maryland)
COUNTY OF Harford) SS.

On the above date A. Peter Snyder known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that he executed the same as his own free act and deed.

(SEAL)


(Signature of notary public)
My Commission expires on 11/1/04

SIGNATURE OF INVENTOR: _____
(First name) (Middle initial) (Last name)

DUTY ADDRESS: _____

DATE SIGNED: _____ INVENTOR'S TYPED NAME: _____

STATE OF _____)
COUNTY OF _____) SS.

On the above date _____ known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that he executed the same as his own free act and deed.

(SEAL)

(Signature of notary public)
My Commission expires on _____