

Form PTO-1595 (Rev. 01-09)
OMB No. 0651-0027 (exp. 02/28/2009)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

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

1. Name of conveying party(ies)

MOHAMMED Y. SHAHIN; ARTHUR B. BASKIN; ROBERT E. REINKE
(also please file in the Government Register)

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

2. Name and address of receiving party(ies)

Name: UNITED STATES GOVERNMENT

Internal Address: Albuquerque Engineer District (CESPA-OC)

Street Address: 4101 Jefferson PL NE

City: Albuquerque

State: NM

Country: USA Zip: 87109-3434

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

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

Execution Date(s) 9/28/2010; 10/2/2010; 10/6/2010

- 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)

US 12/287,454

Additional numbers attached? Yes No

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

Name: EARL BAUGHER

Internal Address: ALBUQUERQUE ENGINEER DISTRICT (CESPA-OC)

Street Address: 4101 Jefferson PL, NE

City: Albuquerque

State: NM Zip: 87109-3434

Phone Number: 505 342-3360

Fax Number: 505 342-3287

Email Address: earl.baugher@usace.army.mil

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

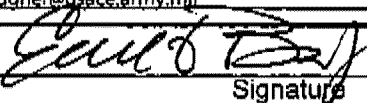
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 01-2505

Authorized User Name EARL BAUGHER

9. Signature:



Signature

3 Dec 2010

Date

EARL H. BAUGHER, JR.
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 012505 12287454

Attorney Docket No.
COE-610

ASSIGNMENT

REC'D NOV 4 2010

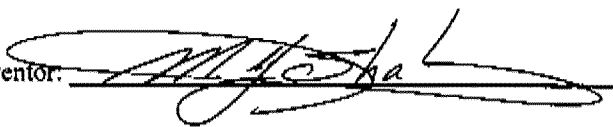
ASSIGNMENT OF INVENTION

Title of Invention: **ENGINEERED MANAGEMENT SYSTEM PARTICULARLY SUITED FOR MAINTENANCE AND REPAIR (M&R) MANAGEMENT OF STRUCTURE SUCH AS PAVEMENT**

Inventor: **MOHAMED Y. SHAHIN**

The undersigned inventor, 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. Assigns 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. Agrees 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 rights, title and interest in the invention in such foreign country shall remain in me, 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 or in furtherance of the foreign policies of the Government, or both.
3. Agrees to provide any further information within my 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:  Date: 10/2/2010

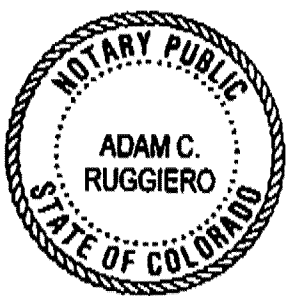
Name of Inventor: **MOHAMED Y. SHAHIN**
(First Name) (Middle Initial) (Last Name)

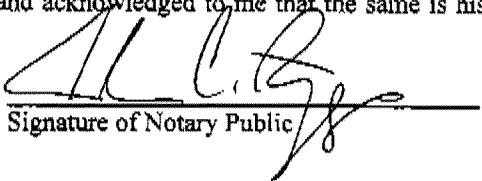
Address: **FORT COLLINS LARIMER COLORADO**
(Locality) (County) (State)

State of **COLORADO**)
County of **LARIMER**) } ss.

On the above date, **MOHAMED Y. SHAHIN**, 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 is his own free act and deed.

My commission Expires:
(SEAL)




Signature of Notary Public

PATENT
REEL: 025382 FRAME: 0402

Attorney Docket No.
COE-610

ASSIGNMENT

ASSIGNMENT OF INVENTION

Title of Invention: **ENGINEERED MANAGEMENT SYSTEM PARTICULARLY SUITED FOR MAINTENANCE AND REPAIR (M&R) MANAGEMENT OF STRUCTURE SUCH AS PAVEMENT**

Inventor: **ARTHUR B. BASKIN**

The undersigned inventor, 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. Assigns 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. Agrees 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 rights, title and interest in the invention in such foreign country shall remain in me, 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 or in furtherance of the foreign policies of the Government, or both.
3. Agrees to provide any further information within my 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: *Arthur B. Baskin* Date: 9/28/10

Name of Inventor: **ARTHUR B. BASKIN**
(First Name) (Middle Initial) (Last Name)

Address: **INDIANAPOLIS MARION INDIANA**
(Locality) (County) (State)

State of **INDIANA**)
County of **MARION**) } ss.

On the above date, **ARTHUR B. BASKIN**, 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 is his own free act and deed.

My commission
(SEAL)



Gay J. Hanson
Signature of Notary Public

Attorney Docket No.
COE-610

ASSIGNMENT

ASSIGNMENT OF INVENTION

Title of Invention: **ENGINEERED MANAGEMENT SYSTEM PARTICULARLY SUITED FOR
MAINTENANCE AND REPAIR (M&R) MANAGEMENT OF
STRUCTURE SUCH AS PAVEMENT**

Inventor: **ROBERT E. REINKE**

The undersigned inventor, 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. Assigns 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. Agrees 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 rights, title and interest in the invention in such foreign country shall remain in me, 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 or in furtherance of the foreign policies of the Government, or both.
3. Agrees to provide any further information within my 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: *Robert Reinke* Date: 10/6/2010

Name of Inventor: **ROBERT E. REINKE**
(First Name) (Middle Initial) (Last Name)

Address: **INDIANAPOLIS MARION INDIANA**
(Locality) (County) (State)

State of **INDIANA**)
County of **MARION**) } ss.

On the above date, **ROBERT E. REINKE**, 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 is his own free act and deed.

My commission Expires:
(SEAL)

Christina K. Tyzzer
Signature of Notary Public

Christina K. Tyzzer
State of Indiana Notary Public
Resident of Hancock County
My Commission Expires 8/7/2014

PATENT