

05-13-2004



Form PTO-1595  
(Rev. 10/02)  
OMB No. 0651-0027 (exp. 6/30/2005)  
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T U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

102743805

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

1. Name of conveying party(ies): **5-7-04**  
(1.) Wayne E. Shanks;  
(2.) William R. Bandy;  
(3.) Michael R. Arneson; and  
(4.) Kevin J. Powell  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: Matrics, Inc.  
Internal Address: \_\_\_\_\_  
\_\_\_\_\_  
Street Address: 8850 Stanford Boulevard  
\_\_\_\_\_  
City: Columbia State: MD Zip: 21045  
Additional name(s) & address(es) attached?  Yes  No

19270 U.S. PTO  
10/840790



3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: See 1 in Addendum

4. Application number(s) or patent number(s): **10840790**  
If this document is being filed together with a new application, the execution date of the application is: See 2 in Addendum  
A. Patent Application No.(s)  
(to be assigned)  
B. Patent No.(s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Sterne Kessler, Goldstein & Fox P.L.L.C.  
Internal Address: c/o  
DTESSEM1 00000065 10840790  
40.00 OP  
Street Address: 1100 New York Avenue, N.W.  
City: Washington State: D.C. Zip: 20005-3934

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41).....\$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number:  
19-0036  
(Attach duplicate copy of this page if paying by deposit account)

5/11/2004  
4 FD:802

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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.*  
Jeffrey T. Helvey, Reg. No. 44,757 JA Helvey 5/7/04  
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: 5

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

## Addendum

1. (1.) February 12, 2002; (2.) February 12, 2002; (3.) February 12, 2002 and (4.) February 12, 2002
2. (1.) February 12, 2002; (2.) February 12, 2002; (3.) February 12, 2002; and (4.) February 12, 2002

FEB. 11. 2002 6:00PM SKG&amp;F3712540

NO. 1741 P. 37/38

**ASSIGNMENT**

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: (1) Wayne E. Shanks, (2) William R. Bandy, (3) Michael R. Arneson, (4) Kevin J. Powell, the undersigned inventor(s) hereby sell(s) and assign(s) to Metrics Inc. (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

*check applicable box(es)*       for the United States of America (as defined in 35 U.S.C. § 100),

and throughout the world,

(a) in the invention known as An Identification Tag Utilizing Charge Pumps for Voltage Supply Generation and Data Recovery for which application(s) for patent in the United States of America has (have) been executed by the undersigned on (1) 2/12/02, (2) 2/12/02, (3) 2/12/02, (4) 2/12/02, (also known as United States Application No. To be Determined, filed Herewith), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

FEB. 11. 2002 6:01PM

SKG&F3712540

No. 1741 P. 38/38

Docket No. 1689.0280000/RES/JTH

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.


The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; and Robert C. Millonig, Esquire, Registration No. 34,395, all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: 2/12/02 Signature of Inventor:   
Wayne E. Shank

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
William R. Bandy

Date: 2/12/02 Signature of Inventor:   
Michael R. Arneson

Date: 2/12/02 Signature of Inventor:   
Kevin J. Powell

FEB. 11. 2002 6:01PM SKG&F3712540

NO. 1741 P. 38/38

Docket No. 1659.010000/KES/JTH

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Stone, Esquire, Registration No. 26,912; Edward J. Kessler, Esquire, Registration No. 25,618; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwall, Esquire, Registration No. 31,944; Robert W. Hamand, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michels A. Cimbal, Esquire, Registration No. 33,831; Michael B. Ray, Esquire, Registration No. 33,997; Robert B. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,648; Michael Q. Lee, Esquire, Registration No. 35,219; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; Linda E. Alcorn, Esquire, Registration No. 39,548; Lawrence E. Dugalsky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; and Robert C. Millonig, Esquire, Registration No. 34,395, all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: \_\_\_\_\_ Signature of Inventor: Wayne E. Shanks

Date: 2/12/02 Signature of Inventor: William N. Bandy

Date: \_\_\_\_\_ Signature of Inventor: Michael E. Amazon

Date: \_\_\_\_\_ Signature of Inventor: Kevin J. Powell

FEB. 11. 2002 6:00PM

SKG&amp;F3712540

NO. 1741 P. 37/38

## ASSIGNMENT

**DO NOT FORWARD  
TO ASSIGNMENT BRANCH  
NOT FOR RECORDATION**

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: (1) Wayne E. Shanks, (2) William R. Bandy, (3) Michael R. Arneson, (4) Kevin J. Powell, the undersigned inventor(s) hereby sell(s) and assign(s) to Matrics Inc. (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

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and throughout the world,

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(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

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SKG&F3712540

NO. 1741 P. 38/38

Docket No. 1689.0280000/RES/JTH


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IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: 2/12/02 Signature of Inventor:   
Wayne E. Shank

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
William R. Bandy

Date: 2/12/02 Signature of Inventor:   
Michael R. Arneson

Date: 2/12/02 Signature of Inventor:   
Kevin J. Powell

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NO. 1741 P. 38/38

Docket No. 1689.0280000/KCS/ITR

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Date: \_\_\_\_\_ Signature of Inventor: Wayne E. Shumka

Date: 2/12/02 Signature of Inventor: William R. Bandy

Date: \_\_\_\_\_ Signature of Inventor: Michael R. Amazon

Date: \_\_\_\_\_ Signature of Inventor: Kevin J. Powell