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FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)

FINANCE SECTION  
U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

9-9-03

Keith A. Howell (executed August 26, 2003)  
James M. Morris (executed August 26, 2003)  
David M. McDonald (executed August 26, 2003)  
Eric Wayne Becker (executed August 26, 2003)  
Joseph Wayne Brickell (executed August 13, 2003)

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

2. Name and address of receiving party(ies)

Name: Speedline Technologies, Inc.

Street Address: 16 Forge Park, Franklin, MA 02038

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

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other \_\_\_\_\_
- Merger
- Change of Name

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

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

A. Patent Application No(s):

10/445,787

B. Patent No(s):

Additional numbers attached?  Yes  No

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

Name: A. Jason Mirabito, Esq.  
Address: MINTZ, LEVIN, COHN, FERRIS  
GLOVSKY and POPEO, P.C.  
One Financial Center  
Boston, MA 02111

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41)

\$40.00

- Enclosed
- The Commissioner is authorized to charge Deposit Account No: 50-0311, Reference No. 17644-197.

DO NOT USE THIS SPACE

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.

Robert J. Sayre, Reg. No. 42,124

September 9, 2003

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: [ 5 ]

09/11/2003 LABELER 00000044 10445787

02 FE:00021

40.00 CP

TRA 1831022v1

## ASSIGNMENT

We, **Keith A. Howell, James M. Morris, David M. McDonald, Eric Wayne Becker, Joseph Wayne Brickell**, the undersigned, hereinafter referred to as the ASSIGNOR, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to **Speedline Technologies, Inc.**, a Delaware corporation, with offices at **16 Forge Park, Franklin, Massachusetts 02038** and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

### **DROSS REMOVAL AND SOLDER RECLAMATION IMPROVEMENTS**

filed with the U.S. Patent and Trademark Office on **May 27, 2003** and assigned Serial No. **10/445,787**, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names at the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made.

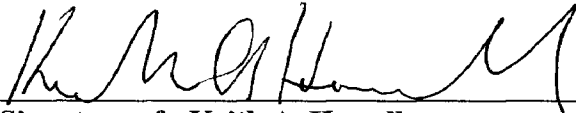
We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

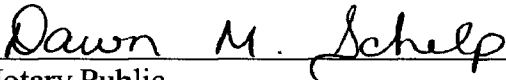
Date: 8-26-03

  
Signature of: Keith A. Howell

State of Missouri  
Country of USA

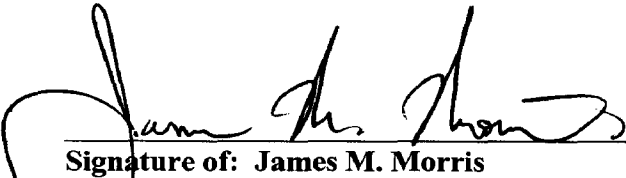
Dawn M. Schelp  
Notary Public - Notary Seal  
State of Missouri  
Camden County  
My Commission Expires Nov. 15, 2005

Subscribed and sworn to before me this 26<sup>th</sup> day of August.

  
Notary Public

My commission expires 11-15-05.

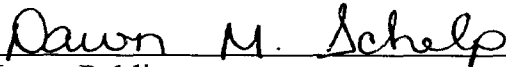
Date: 8-26-03

  
Signature of: James M. Morris

State of Missouri  
Country of USA

Dawn M. Schelp  
Notary Public - Notary Seal  
State of Missouri  
Camden County  
My Commission Expires Nov. 15, 2005

Subscribed and sworn to before me this 26<sup>th</sup> day of August.

  
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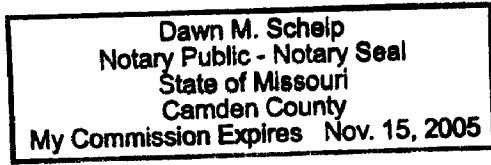
Date: 8-26-03

*David M. McDonald*

Signature of: David M. McDonald

State of Missouri

Country of USA



Subscribed and sworn to before me this 26<sup>th</sup> day of August

*Dawn M. Schelp*  
Notary Public

My commission expires 11-15-05

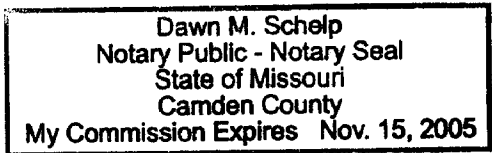
Date: 8-26-03

*Eric Wayne Becker*

Signature of: Eric Wayne Becker

State of Missouri

Country of USA

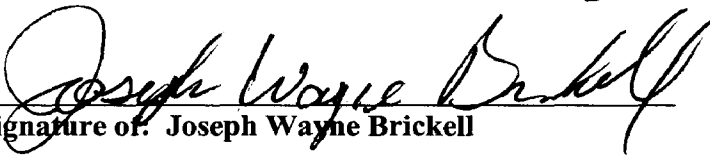


Subscribed and sworn to before me this 26<sup>th</sup> day of August

*Dawn M. Schelp*  
Notary Public

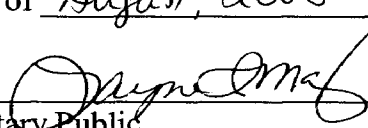
My commission expires 11-15-05

Date: August 13, 2003

  
Signature of: Joseph Wayne Brickell

State of Indiana  
County of Hendricks

Subscribed and sworn to before me this 13 day of August, 2003.

  
Notary Public

My commission expires 11-16-07.

**LAYNE I. MALONEY  
NOTARY PUBLIC - INDIANA  
HENDRICKS COUNTY  
MY COMMISSION EXPIRES 11-16-07**