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22154 U.S. PTO  
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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):  
HONGZHOU LIU, RODNEY PHELPS and ROB A. RUTENBAR

2. Name and address of receiving party(ies)

Name: Neoliner, Inc.

Internal Address: \_\_\_\_\_

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

3. Nature of conveyance:

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

Street Address: 583 Epsilon Drive

City: Pittsburgh State: PA Zip: 15238

Execution Date: August 29, 2003

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

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: August 29, 2003

A. Patent Application No.(s)

"METHOD AND APPARATUS FOR  
QUANTIFYING TRADEOFFS FOR MULTIPLE  
COMPETING GOALS IN CIRCUIT DESIGN"

B. Patent No.(s)

Additional numbers attached?  Yes  No

10652018

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

Name: William H. Logsdon

Internal Address: Webb Ziesenheim Logsdon

Orkin & Hanson, P.C.

Street Address: 700 Koppers Building

436 Seventh Avenue

City: Pittsburgh State: PA Zip: 15219

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:

23-0650

(Attach duplicate copy of this page if paying by deposit account)

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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.

William H. Logsdon, No. 22,132

Name of Person Signing

Signature

August 29, 2003

Date

Total number of pages including cover sheet, attachments, and documents:  2

Mail documents to be recorded with required cover sheet information to:

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PATENT  
REEL: 014464 FRAME: 0165

ASSIGNMENT

WHEREAS, We, Hongzhou Liu, Rodney Phelps and Rob A. Rutenbar, residing at:

Hongzhou Liu  
5530 Phillips Avenue, Apt. 6  
Pittsburgh, Pennsylvania 15217  
County of Allegheny  
Citizenship: China

Rodney Phelps  
500 Tripoli Street, #319  
Pittsburgh, Pennsylvania 15212  
County of Allegheny  
Citizenship: USA

Rob A. Rutenbar  
1547 Shady Avenue  
Pittsburgh, Pennsylvania 15217  
County: Allegheny  
Citizenship: USA

have invented certain new and useful improvements entitled "METHOD AND APPARATUS FOR QUANTIFYING TRADEOFFS FOR MULTIPLE COMPETING GOALS IN CIRCUIT DESIGN" described and claimed in the application filed herewith and in United States Provisional Patent Application No. 60/474,464, filed May 30, 2003 (hereinafter "said applications").

AND, WHEREAS, Neolinear, Inc., a corporation of the State of Delaware, having a place of business at 583 Epsilon Drive, Pittsburgh, Pennsylvania 15238, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said applications and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to us by said assignee, the receipt of which is hereby acknowledged, We do hereby assign, sell, transfer, and set over unto said assignee the entire right, title and interest in and to said applications and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all non-provisional patent applications, divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said applications and the inventions and improvements therein disclosed, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree that we will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all non-provisional, divisional, reissue, continuation, continuation-in-part, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

Date 8/29/2003

Inventor   
HONGZHOU LIU

Date 8/29/03

Inventor   
RODNEY PHELPS

Date 8/29/03

Inventor   
ROB A. RUTENBAR

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