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1. Name of conveying party(ies):
Charles F. Milo; Matthew R. Selmon; Fred H. Co; Mark Campello; Aniel Aguilar; Ronald French
Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

2. Name and address of receiving party(ies):
Name: LuMend, Inc.
Address: 400 Chesapeake Drive
Redwood City, CA 94063
Additional name(s) & address(es) attached? [ ] Yes [X] No

3. Nature of conveyance:
[X] Assignment
[ ] Security Agreement
[ ] Merger
[ ] Change of Name
Other:
Execution Date: January 4, 1999; January 29, 1999; February 11, 1999; February 13, 1999; March 2, 1999; March 11, 1999

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)
   09/163,854
B. Patent No.(s)

Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: U.P. Peter Eng
Address: WILSON SONSINI GOODRICH & ROSATI
         650 Page Mill Road
         Palo Alto, CA 94304

6. Total number of applications and patents involved: One

   Total fee (37 CFR 3.41): $40.00
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   U.P. Peter Eng
   Name of Person Signing
   Registration No. 39,666
   Signature
   Date 3/18/99

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ASSIGNMENT OF APPLICATION  

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<th>Number</th>
<th>Name</th>
<th>Address</th>
<th>City, State Zip Code</th>
<th>Phone</th>
</tr>
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<tr>
<td>1</td>
<td>Selmon, Matthew R.</td>
<td>99 Walnut Avenue</td>
<td>Atherton, CA 94027</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Milo, Charles F.</td>
<td>977 East Grant Place</td>
<td>San Mateo, CA 94402</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Co. Fred</td>
<td>622 Bycher Ave.</td>
<td>Santa Clara, CA 95051</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Campello, Mark</td>
<td>304 Park Blvd.</td>
<td>Millbrae, CA 94030</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>French, Ronald</td>
<td>555 Bryant #184</td>
<td>Palo Alto, CA 94301</td>
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<tr>
<td>6</td>
<td>Aguilar, Amiel</td>
<td>A109 Clayton Ave.</td>
<td>Palo Alto, CA 94306</td>
<td></td>
</tr>
</tbody>
</table>

hereinafter termed "Inventors", have invented certain new and useful improvements in

METHODS AND APPARATUS FOR CROSSING VASCULAR OCCLUSIONS

[X] for which an application for United States Patent was filed on September 30, 1998. Application No. 09/163,854

WHEREAS, LuMend, Inc., a corporation of the State of California, having a place of business at 173 Jefferson Drive, Menlo Park, California 94025, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissue of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions, provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument in the presence of me, as on the dates written below.

Date: 1/29/99

San Mateo County
State of California

Matthew R. Selmon

On 1/29/99, before me, personally appeared JEFFREY S. SELMON, personally known to me or ☐ proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.

(Notary Public)

Date: 1/4/99

San Mateo County
State of California

Charles F. Mito

On 1/4/99, before me, personally appeared CHARLES F. MITO, personally known to me or ☐ proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.

(Notary Public)

Date: 3/2/99

San Mateo County
State of California

Fred Co

On 3/2/99, before me, personally appeared Fred Henrik Co, personally known to me or ☐ proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.

(Notary Public)

Date: 3/11/99

San Mateo County
State of California

Mark Campello

On 3/11/99, before me, personally appeared Mark Campello, personally known to me or ☐ proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.

(Notary Public)

Date: 3/11/99

San Mateo County
State of California

Minal Patel

On 3/11/99, before me, personally appeared Minal Patel, personally known to me or ☐ proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.

(Notary Public)
IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below.

Date: 2-13-99

State of California
County of Santa Clara

On Feb. 13, 1999, before me, personally appeared Ronald G. French, (Personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.)

(Notary Public)

Amel Aguilar
(Notary Public)

Date: 02-11-99

State of California
County of San Mateo

On Feb 11, 1999, before me, personally appeared Amel Richard Aguilar, (Personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.)

(Notary Public)
ASSIGNMENT OF APPLICATION

Whereas, the undersigned:

1. Selmon, Matthew R.
   99 Walnut Avenue
   Atherton, CA 94027

2. Milo, Charles F.
   977 East Grant Place
   San Mateo, CA 94402

3. Co, Fred
   622 Bycher Ave.
   Santa Clara, CA 95051

4. Campello, Mark
   304 Park Blvd.
   Millbrae, CA 94030

5. French, Ronald
   555 Bryant #184
   Palo Alto, CA 94301

6. Aguilar, Amiel
   40820 1st Avenue
   Palo Alto, CA 94306

hereinafter termed "Inventors", have invented certain new and useful improvements in

METHODS AND APPARATUS FOR CROSSING VASCULAR OCCLUSIONS

X

for which an application for United States Patent was filed on September 30, 1998. Application No. 09/163,854

for which an application for a United States Patent was executed on ____________________________ and

WHEREAS, Lumendi, Inc., a corporation of the State of California, having a place of business at 173 Jefferson Drive, Menlo Park, California 94025,
(hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in
and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed
"said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the
United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said
Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said
   application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection
   of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any
   foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution,
   continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the
   fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt
   production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other
   assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed, (b)
   for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention;
   (d) for filing and prosecuting applications for reissue of any said patents; (e) for interference or other priority proceedings involving said invention; and (f)
   for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and
   reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided,
   however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal
   representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment,
   contract, or understanding in conflict herewith.
IN WITNESS WHEREOF, said inventors have executed and delivered this instrument to a duly registered as of the dates written below.

Date: 1/29/99
Matthew K. Selmon

State of California
County of San Mateo

On 1/29/99, before me, personally appeared Matthew K. Selmon, personally known to me or ☐ proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.

(Notary Public)

Date: 1/4/99
Charles F. Milo

State of California
County of San Mateo

On 1/4/99, before me, personally appeared Charles F. Milo, ☐ personally known to me or ☐ proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.

(Notary Public)

Date: 3/12/99

State of California
County of San Jose

On 3/12/99, before me, personally appeared Fred Hendrik Co, ☐ personally known to me or ☐ proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.

(Notary Public)

Date: 3/11/99
Mark Campello

State of California
County of San Mateo

On 3/11/99, before me, personally appeared Mark Campello, ☐ personally known to me or ☐ proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.

(Notary Public)
IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below.

Date: 2-13-99                                Ronald French

State of California )
County of Santa Clara )

On Feb. 13, 1999, before me, personally appeared Ronald G. French, personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.

Orietta Del Canto
(Notary Public)

Date: 02/11/99                                Amiel Aguilar

State of California )
County of San Mateo )

On Feb 11, 1999, before me, personally appeared Amiel Richard Aguilar, personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.

Katherine A. Singh
(Notary Public)

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RECORDED: 03/22/1999

PATENT
REEL: 9841 FRAME: 0292