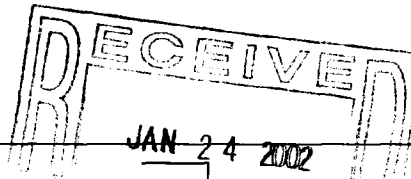


02-08-2002



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 Patent and Trademark Office
PATENT
**RECORDATION FORM COVER SHEET
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- ☐ Document ID # _____
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- ☐ Reel # _____ Frame # _____
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Conveyance Type

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other _____

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- ☐ Departmental File ☐ Secret File

Conveying Party(ies)☐ Mark if additional names of conveying parties attached

Name (line 1) Carl A. Caspers

 Execution Date
 Month Day Year
 08 23 2001

Name (line 2) _____

Second Party

Name (line 1) _____

 Execution Date
 Month Day Year

Name (line 2) _____

Receiving Party☐ Mark if additional names of receiving parties attached

Name (line 1) Barbara J. Caspers

Name (line 2) _____

Address (line 1) 33346 Shorewood Drive

Address (line 2) _____

Address (line 3) Avon

MN

56310

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name _____

Address (line 1) _____

Address (line 2) _____

Address (line 3) _____

Address (line 4) _____

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

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PATENT
REEL: 012547 FRAME: 0722

Correspondent Name and Address

Area Code and Telephone Number

(612) 340-8933

Name Gerald E. Helget

Address (line 1) RIDER BENNETT EGAN & ARUNDEL

Address (line 2) 333 South Seventh Street

Address (line 3) Suite 2000

Address (line 4) Minneapolis, MN 55402

Pages

Enter the total number of pages of the attached conveyance document including any attachments

6

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached.

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/492,406

09/534,274

09/670,853

09/785,714

09/829,306

09/790,391

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number as not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved.

6

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 240.00

Method of Payment:

Enclosed ☒

Deposit Account ☐

Deposit Account

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

50-1188

Authorization to charge additional fees:

Yes ☒

No ☐

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. Charges to deposit account are authorized, as indicated herein.

Gerald E. Helget

Name of Person Signing

Signature

November 6, 2001

Date

ASSIGNMENT

WHEREAS, Carl A. Caspers, a citizen of the United States of America, residing at 33346 Shorewood Drive, Avon, Minnesota 56310, made an invention disclosed and claimed in an application for United States letters patent entitled SOCKET LINER FOR ARTIFICIAL LIMB filed on January 27, 2000 under Serial No. 09/492,406;

WHEREAS, Barbara J. Caspers, residing at 33346 Shorewood Drive, Avon, Minnesota 56310, is desirous of acquiring an interest in and to said invention, and in and to the letters patent that issues thereon;

NOW, THEREFORE, Be It Known, that for good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the entire right, title and interest of said Carl A. Caspers, in and to said application for United States letters patent, and the invention disclosed and claimed therein, the resultant patent or patents for said invention, and any renewals, reissues, extensions, substitutions, continuations or divisions thereof, continuations-in-part thereof, including all rights to apply for and obtain patents therefore in all foreign countries, is hereby sold, assigned and transferred unto said Barbara J. Caspers.

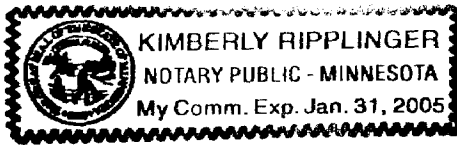
Carl A. Caspers agrees to sign such papers, testify orally and do other things at the expense of Barbara J. Caspers, or her successors or assigns, as may be reasonably necessary for the purpose of obtaining and enforcing such patents.

The Commissioner of Patents is hereby authorized and requested to issue said letters patent in accordance with this agreement.

Signed at TEC Interface Systems this 23 day of August, 2001.

Carl A. Caspers
Carl A. Caspers

STATE OF MN)
) SS.
COUNTY OF Stearns)



Subscribed and sworn to before me this 23 day of August, 2001.

Kimberly Ripplinger
Notary Public

ASSIGNMENT

WHEREAS, Carl A. Caspers, a citizen of the United States of America, residing at 33346 Shorewood Drive, Avon, Minnesota 56310, made an invention disclosed and claimed in an application for United States letters patent entitled VACUUM PUMP AND SHOCK ABSORBER FOR ARTIFICIAL LIMB filed on March 23, 2000 under Serial No. 09/534,274;

WHEREAS, Barbara J. Caspers, residing at 33346 Shorewood Drive, Avon, Minnesota 56310, is desirous of acquiring an interest in and to said invention, and in and to the letters patent that issues thereon;

NOW, THEREFORE, Be It Known, that for good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the entire right, title and interest of said Carl A. Caspers, in and to said application for United States letters patent, and the invention disclosed and claimed therein, the resultant patent or patents for said invention, and any renewals, reissues, extensions, substitutions, continuations or divisions thereof, continuations-in-part thereof, including all rights to apply for and obtain patents therefore in all foreign countries, is hereby sold, assigned and transferred unto said Barbara J. Caspers.

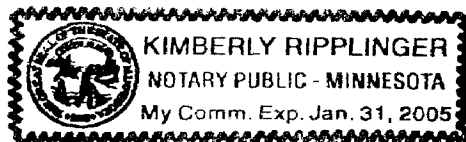
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The Commissioner of Patents is hereby authorized and requested to issue said letters patent in accordance with this agreement.

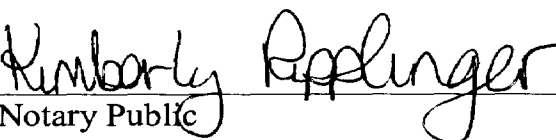
Signed at TEC Interface Systems this 23 day of August, 2001.


Carl A. Caspers

STATE OF MN)
COUNTY OF Stearns) SS.



Subscribed and sworn to before me this 23 day of August, 2001.


Notary Public

ASSIGNMENT

WHEREAS, Carl A. Caspers, a citizen of the United States of America, residing at 33346 Shorewood Drive, Avon, Minnesota 56310, made an invention disclosed and claimed in an application for United States letters patent entitled SOCKET LINER FOR ARTIFICIAL LIMB filed on September 27, 2000 under Serial No. 09/670,853;

WHEREAS, Barbara J. Caspers, residing at 33346 Shorewood Drive, Avon, Minnesota 56310, is desirous of acquiring an interest in and to said invention, and in and to the letters patent that issues thereon;

NOW, THEREFORE, Be It Known, that for good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the entire right, title and interest of said Carl A. Caspers, in and to said application for United States letters patent, and the invention disclosed and claimed therein, the resultant patent or patents for said invention, and any renewals, reissues, extensions, substitutions, continuations or divisions thereof, continuations-in-part thereof, including all rights to apply for and obtain patents therefore in all foreign countries, is hereby sold, assigned and transferred unto said Barbara J. Caspers.

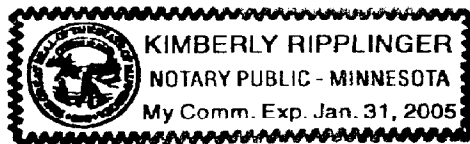
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The Commissioner of Patents is hereby authorized and requested to issue said letters patent in accordance with this agreement.

Signed at TEC Interface Systems this 23 day of August, 2001.


Carl A. Caspers

STATE OF MN)
) SS.
COUNTY OF Stearns)



Subscribed and sworn to before me this 23 day of August, 2001.


Notary Public

ASSIGNMENT

WHEREAS, Carl A. Caspers, a citizen of the United States of America, residing at 33346 Shorewood Drive, Avon, Minnesota 56310, made an invention disclosed and claimed in an application for United States letters patent entitled VACUUM APPARATUS AND METHOD FOR MANAGING RESIDUAL LIMB VOLUME IN AN ARTIFICIAL LIMB filed on February 16, 2001 under Serial No. 09/785,714;

WHEREAS, Barbara J. Caspers, residing at 33346 Shorewood Drive, Avon, Minnesota 56310, is desirous of acquiring an interest in and to said invention, and in and to the letters patent that issues thereon;

NOW, THEREFORE, Be It Known, that for good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the entire right, title and interest of said Carl A. Caspers, in and to said application for United States letters patent, and the invention disclosed and claimed therein, the resultant patent or patents for said invention, and any renewals, reissues, extensions, substitutions, continuations or divisions thereof, continuations-in-part thereof, including all rights to apply for and obtain patents therefore in all foreign countries, is hereby sold, assigned and transferred unto said Barbara J. Caspers.

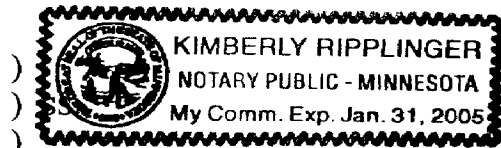
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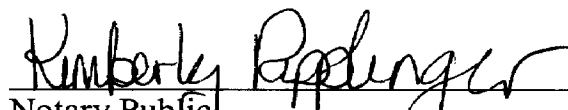
Signed at TEC Interface Systems this 23 day of August, 2001.


Carl A. Caspers

STATE OF MN
COUNTY OF Stearns



Subscribed and sworn to before me this 23 day of August, 2001.


Notary Public

Attorney Docket No.: 13722-178

ASSIGNMENT

WHEREAS, Carl A. Caspers, a citizen of the United States of America, residing at 33346 Shorewood Drive, Avon, Minnesota 56310, made an invention disclosed and claimed in an application for United States letters patent entitled OSMOTIC MEMBRANE AND VACUUM SYSTEM FOR ARTIFICIAL LIMB filed on April 9, 2001 under Serial No. 09/829,306;

WHEREAS, Barbara J. Caspers, residing at 33346 Shorewood Drive, Avon, Minnesota 56310, is desirous of acquiring an interest in and to said invention, and in and to the letters patent that issues thereon;

NOW, THEREFORE, Be It Known, that for good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the entire right, title and interest of said Carl A. Caspers, in and to said application for United States letters patent, and the invention disclosed and claimed therein, the resultant patent or patents for said invention, and any renewals, reissues, extensions, substitutions, continuations or divisions thereof, continuations-in-part thereof, including all rights to apply for and obtain patents therefore in all foreign countries, is hereby sold, assigned and transferred unto said Barbara J. Caspers.

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The Commissioner of Patents is hereby authorized and requested to issue said letters patent in accordance with this agreement.

Signed at TEC Interface Systems this 23 day of August, 2001.

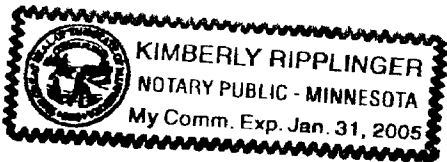
Carl A. Caspers
Carl A. Caspers

STATE OF MN)
COUNTY OF Stearns) ss.

Subscribed and sworn to before me this 23 day of August, 2001.

Kimberly Ripplinger
Notary Public

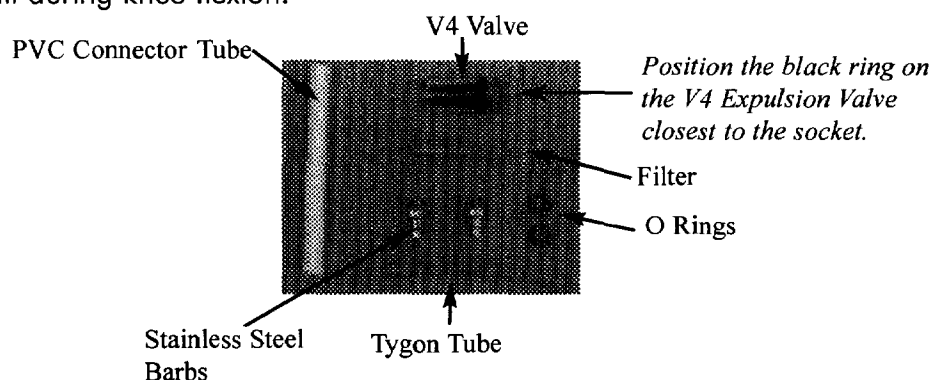
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TOTAL P.02

The one-way V4 Expulsion Valve provides an escape route for air, perspiration and water, while creating a mild negative pressure socket system. In a closed chamber, the patient's weight bearing creates a draw as the limb changes in volume and additional space is acquired. This space becomes an "air pocket" within the chamber. The V4 releases this air and re-establishes negative pressure. The socket environment is continually maintained by the vacuum lock that the V4 creates, allowing patients to walk with their limb under a constant negative pressure system.

The V4 Expulsion Valve must be used in conjunction with the TEC[®] UltraLink or TEC ProLink Suspension Sleeve. When air is evacuated properly and the UltraLink or ProLink are used for proximal sealing, the sleeve will hold a distinct and conformed fit against the prosthesis. We also recommend you use two sheaths with the TEC[®] Interface System. The first sheath should be donned over the liner onto the thigh. The second sheath should be donned over the first and deflected over the top of the socket brim to protect the suspension sleeve from the socket wall during knee flexion.



Recommended attachment when drilling through the socket wall:

1. Drill a hole in the distal, posterior of the socket using a 5/32" drill bit and tap with a 10/32 bit.
2. Use 90 second epoxy on the threads of the selected barb and screw into hole. Be careful not to clog the hole in the barb.
3. Slide the tygon tube over the barb and insert the filter.
4. Slide another tygon tube over the filter and insert V4 valve.

Recommended attachment when drilling through foam or wood and socket wall:

1. Drill a 1/4" hole through the outer laminate, wood, foam and into the socket.
2. Slightly countersink the hole on the inside of the socket.
3. Sand the exterior of the PVC connector tube. Then apply epoxy to the exterior of the PVC connector and insert the PVC connector tube into the 1/4" hole and extend 1/8" into the socket.
4. Use epoxy to fill the countersink around the PVC connector tube.
5. Use a sanding cone to grind the PVC connector tube flush with the inside of the socket.
6. Trim the PVC connector tube on the exterior of the socket.
7. Roughen the inside of the rigid tube with sandpaper.
8. Repeat above steps 2 through 4.

****Vent covers to allow air and moisture to drain outside of the cover.**



Authorized Representative:

TEC Motion

Magnus Paulins gata 1

S-254 33 Helsingborg Sweden

820 Sundial Drive · Waite Park, MN · 56387 · USA · 800-688-4832 · www.tecinterface.com

ASSIGNMENT

WHEREAS, Carl A. Caspers, a citizen of the United States of America, residing at 33346 Shorewood Drive, Avon, Minnesota 56310, made an invention disclosed and claimed in an application for United States letters patent entitled VACUUM PUMP AND SHOCK ABSORBER FOR ARTIFICIAL LIMB filed on February 21, 2001 under Serial No. 09/790,391;


WHEREAS, Barbara J. Caspers, residing at 33346 Shorewood Drive, Avon, Minnesota 56310, is desirous of acquiring an interest in and to said invention, and in and to the letters patent that issues thereon;

NOW, THEREFORE, Be It Known, that for good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the entire right, title and interest of said Carl A. Caspers, in and to said application for United States letters patent, and the invention disclosed and claimed therein, the resultant patent or patents for said invention, and any renewals, reissues, extensions, substitutions, continuations or divisions thereof, continuations-in-part thereof, including all rights to apply for and obtain patents therefore in all foreign countries, is hereby sold, assigned and transferred unto said Barbara J. Caspers.

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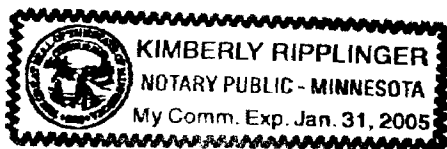
The Commissioner of Patents is hereby authorized and requested to issue said letters patent in accordance with this agreement.

Signed at TEC Interface Systems this 23 day of August, 2001.


Carl A. Caspers

STATE OF MN
COUNTY OF Stearns

)
) SS.
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Subscribed and sworn to before me this 23 day of August, 2001.


Notary Public

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